

```
<a name="awal">
```

```
</a><a href="#akhir">[menuju akhir]</a>
```

```
<a name="home">
```

```
</a>
```

```
<br />
```

```
<div style="text-align: center;">
```

```
<a
```

```
href="https://arif202053.blogspot.com/2021/01/elektronika-oleh-arif-shiddiq-siregar.html">[KEMBALI  
KE MENU SEBELUMNYA]</a></div>
```

```
<br />
```

```
<center>
```

```
<div style="background-color: white; border-color: rgb(23, 128, 221); border-image: none; border-style:  
dashed; border-width: 2px; border: 2px dashed rgb(23, 128, 221); height: 240px; overflow: auto;  
padding: 10px; text-align: center; width: 330px;">
```

```
<b>DAFTAR ISI</b>
```

```
<br />
```

```
<div style="text-align: left;">
```

```
<a name="1">
```

```
</a><a href="#2">1. Tujuan</a></div>
```

```
<div style="text-align: left;">
```

```
<a name="3">
```

```
</a><a href="#4">2. Alat dan bahan</a></div>
```

```
<div style="text-align: left;">
```

```
<a name="5">
```

```
</a><a href="#6">3. Dasar teori</a></div>
```


b. Mengetahui cara membuat rangkaian kontrol kebun otomatis

2. **Alat dan bahan**

Alat dan bahan

Adapun alat dan bahan

dalam membuatnya yaitu:

2.1

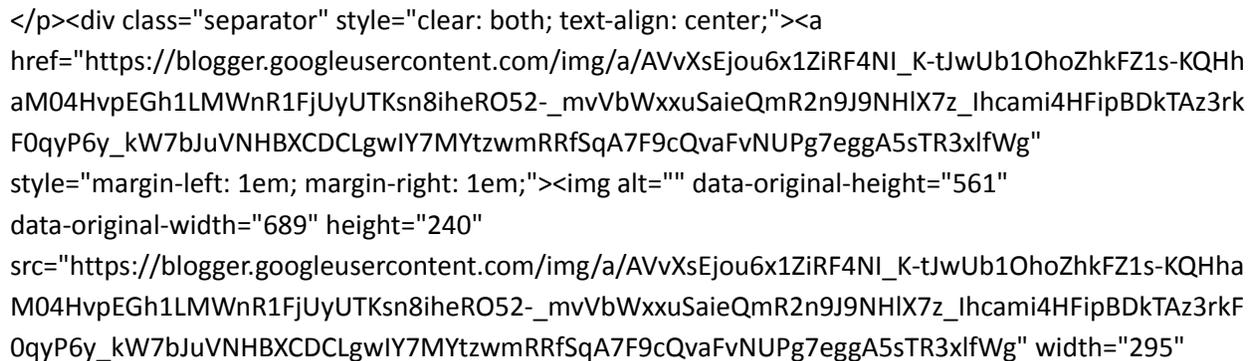
Alat

1. Alat

A. Baterai

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"> Gambar Baterai</div><div class="separator" style="clear: both; color: #222222; cursor: url("https://lh3.googleusercontent.com/proxy/JoJL934uMu5R6QtsXmB5A2YA0gUdZeB5cDqc1BfzGVNmGIGCh4leUN4iE5ZOjFz7saJLQRfzMta4JFWJhk9zF-AnS_aARbsx=s0-d");, url("https://lh5.googleusercontent.com/proxy/8EIJJujO8qqlh_xt4_jt4EK4jUFgAy2NhhfZRptRoq7X0d4bJdD004i3oYaKrr_t5gLvO3_np6RTsD45RU6244UlfMJuygiq=s0-d");, auto !important; user-select: text;"><span style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani");,

moisture adalah sensor yang akan mendeteksi kelembapan air pada tanah


Sensor

infrared

cahaya infrared yang akan berlogika 1 saat sesuatu melewati infrared

[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto; line-height: 28px;
margin: 11.5px 0px; position: relative;"><span style="font-weight:
normal;"><span style="cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto;"><span style="cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto;"> Konfigurasi
Pin</h3><table style="border-collapse: collapse; border-color: rgb(221,
221, 221); border-image: none; border-spacing: 0px; border-style: solid; border-width: 1px; border: 1px
solid rgb(221, 221, 221); color: #303030; cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto; margin-bottom: 23px;
max-width: 100%; width: 327px;"><tbody style="box-sizing: border-box; cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto;"><tr style="box-sizing:
border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani");
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto;"><td
style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing:
border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani");
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 107px;"><p style="box-sizing: border-box; cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto; margin: 6px 0px 10px;
text-align: justify;"><b style="box-sizing: border-box; cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto;"><span style="cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto;"><span style="cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto;">Pin
Name</p></td><td style="border-color: rgb(221, 221, 221); border-style:
solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 210px;"><p style="box-sizing: border-box; cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto; margin: 6px 0px 10px;
text-align: justify;"><b style="box-sizing: border-box; cursor:
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.ani),
[url\("https://ani.cursors-4u.net/games/gam-16/gam1571.png"\);](https://ani.cursors-4u.net/games/gam-16/gam1571.png), auto;"><span style="cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"),
auto;">Description</p></td></tr><tr style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td
style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing:
border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 107px;"><p style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px;
text-align: justify;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"),
auto;">VCC</p></td><td style="border-color: rgb(221, 221, 221); border-style:
solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 210px;"><p style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px;
text-align: justify;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Power Supply
Input</p></td></tr><tr style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td
style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing:
border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 107px;"><p style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px;
text-align: justify;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"),
auto;">GND</p></td><td style="border-color: rgb(221, 221, 221); border-style:
solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 210px;"><p style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px;
text-align: justify;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Power Supply
Ground</p></td></tr><tr style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td
style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing:
border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 107px;"><p style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px;
text-align: justify;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">OUT</p></td><td style="border-color: rgb(221, 221, 221); border-style:
solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 210px;"><p style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px;
text-align: justify;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Active High
Output</p></td></tr></tbody></table><p class="MsolistParagraph"
style="margin-left: 0.5in; mso-list: l0 level1 lfo1; text-align: center; text-indent: -0.25in;"><span

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;") Provides Low Power mode<span style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;") Provides direct mode<span lang="EN-US" style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;") toggle mode by pad option(TOG pin) Q pin is CMOS output<span style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;") All output modes can be selected active high or active low by pad option(AHLB pin)<span style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;") After power-on have about 0.5sec stable-time, during the time do not touch the key pad, and the function is disabled<span style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;") Auto

calibration for life at low power mode the re-calibration period is

about 4.0sec normally, when key detected touch and released touch, the

auto re-calibration will be redoing after about 16sec from releasing key<span style="cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;") The sensitivity of TTP223N-BA6 is better than TTP223-BA6's. but the stability of TTP223N-BA6 is worse than TTP223-BA6's.</div><div style="color: black; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; text-align: left;">
 Konfigurasi Pin :</div><p class="MsoListParagraphCxSpMiddle" style="color: black; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"></p><p style="color: black; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"><span

* Pin 1 : Vcc</p><p style="color: black; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">* Pin 2 : Gnd</p><p style="color: black; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">* Pin 3 : Vout</p><p style="color: black; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">
</p><p style="color: black; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"> grafik respon</p><p style="color: black; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: arial; text-align: center;"></p></div><div style="font-family: times; font-size: 13.5pt;">
</p></div><p class="MsOListParagraph" style="margin-left: 0.5in; mso-list: l0 level1 lfo1;

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-family: arial;"><div style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; color: #333333; font-family: Roboto,sans-serif; margin: 0px; padding: 0px; vertical-align: baseline;">
</div></div></div></div></div></div><div style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-family: Georgia,Utopia,"Palatino Linotype",Palatino,serif;"><b style="color: #222222; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-family: Arial,Tahoma,Helvetica,FreeSans,sans-serif; text-align: justify;"><br style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;" /></div><div style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-family: Georgia,Utopia,"Palatino Linotype",Palatino,serif; text-align: center;"><div class="separator" style="clear: both; color: #222222; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-family: Arial,Tahoma,Helvetica,FreeSans,sans-serif; font-weight: bold; text-align: center;"></div></div><span style="font-family:

src="https://1.bp.blogspot.com/-NxGp_IDGa4A/YCqn-tHkshI/AAAAAAAAACQc/qbaN_pd8TpAVLOTStpGzo7jypEb-cF1hACLcBGAsYHQ/s0/sensor%2Bpir.PNG" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; border: 1px solid rgb(233, 233, 233); box-shadow: rgba(0, 0, 0, 0.1) 1px 1px 5px; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; padding: 5px; position: relative;" /> </p><p class="MsoNormal" style="line-height: normal; margin-left: 0.5in; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; text-align: left; text-indent: 0.5in;">Sensor

PIR atau disebut juga dengan Passive Infra Red merupakan sensor yang digunakan

untuk mendeteksi adanya pancaran sinar infra merah dari suatu object. Sesuai

dengan namanya sensor PIR bersifat pasif, yang berarti sensor ini tidak

memancarkan sinar infra merah melainkan hanya dapat menerima radiasi sinar

infra merah dari luar. </p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l0 level1 lfo1; text-indent: -0.25in;">

</p><div style="margin-left: 40px; text-align: left;"><p class="MsoNormal" style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: "Times New Roman"; font-size: 15.4px;">Konfigurasi pin:</p><div class="separator" style="background-color: white; clear: both; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: "Times New Roman"; font-size: 15.4px; text-align: center;"><a href="https://1.bp.blogspot.com/-F9339AqpYg0/YCqo3Hd_E7I/AAAAAAAAACQk/eQmIPqNZrbkJalp5yELrz uUtASJwomkvQCLcBGAsYHQ/s264/konfigurasi%2Bpin%2Bpir.jpg" style="color: #1a8e57; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin-left: 1em;

margin-right: 1em; text-decoration-line: none;"></div><br style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: "Times New Roman"; font-size: 15.4px;" /><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Georgia, Utopia, "Palatino Linotype", Palatino, serif; font-size: 15.4px;"><b style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Spesifikasi</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Georgia, Utopia, "Palatino Linotype", Palatino, serif; font-size: 15.4px;"><table class="tg" data-style="border-collapse: collapse; border-spacing: 0;" style="border-collapse: collapse; border-spacing: 0px; border: 1px solid rgb(224, 224, 224); color: #3d3d3d; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: "Open Sans"; font-size: 14px; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; height: auto; line-height: 24px; margin: 10px 0px; max-width: 100%; overflow-wrap: break-word; padding: 0px; table-layout: auto; vertical-align: top; width: 508.891px;

word-break: break-word;"><tbody style="border: 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-size: 15px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><tr style="border: 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><th data-style="font-family: Arial, sans-serif; font-size: 14px; font-weight: normal; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: #329a9d; background-color: #329a9d; color: #ecf4ff; text-align: center;" style="background: rgb(50, 154, 157); border-color: rgb(50, 154, 157); border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; color: #ecf4ff; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: normal; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: middle; word-break: normal;">Item</th><th data-style="font-family: Arial, sans-serif; font-size: 14px; font-weight: normal; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: #329a9d; background-color: #329a9d; color: #ecf4ff; text-align: center;" style="background: rgb(50, 154, 157); border-color: rgb(50, 154, 157); border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; color: #ecf4ff; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: normal; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: middle; word-break: normal;">Value</th></tr><tr style="border: 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; padding: 10px 5px; text-align: center; vertical-align: middle; word-break: normal;">

inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: middle; word-break: normal;">Input Voltage</td><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: middle; word-break: normal;">DC 4.5V ~ 20V</td></tr><tr style="border: 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: middle; word-break: normal;">Static Current</td><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: middle; word-break: normal;"><50uA</td></tr><tr style="border: 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px;

box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial,
sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight:
inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px;
text-align: center; vertical-align: middle; word-break: normal;">Output Signal</td><td
data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid;
border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;"
style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px;
box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial,
sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight:
inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px;
text-align: center; vertical-align: middle; word-break: normal;">0V / 3V (Output high when motion
detected)</td></tr><tr style="border: 0px; box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit;
font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px;
overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><td
data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid;
border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;"
style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px;
box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial,
sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight:
inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px;
text-align: center; vertical-align: middle; word-break: normal;">Sensing Range</td><td
data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid;
border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;"
style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px;
box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial,
sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight:
inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px;
text-align: center; vertical-align: middle; word-break: normal;">7 meters (120 degree cone)</td></tr><tr
style="border: 0px; box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit;
font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px;

overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center; vertical-align: top;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: top; word-break: normal;">Delay time</td><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center; vertical-align: top;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: top; word-break: normal;">8s ~ 200s (adjustable)</td></tr><tr style="border: 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: middle; word-break: normal;">Operating Temperature</td><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: middle; word-break: normal;">-15°C ~ +70°C</td></tr></tr></table>

style="border: 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center; vertical-align: top;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: top; word-break: normal;">Dimensions</td><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: inherit; text-align: center; vertical-align: top;" style="border-color: inherit; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: top; word-break: normal;">24mm*32mm*25mm(Height with lens)</td></tr><tr style="border: 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; padding: 0px; vertical-align: top; word-break: break-word;"><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: black; text-align: center; vertical-align: top;" style="border-color: black; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: top; word-break: normal;">Weight</td><td data-style="font-family: Arial, sans-serif; font-size: 14px; padding: 10px 5px; border-style: solid; border-width: 1px; overflow: hidden; word-break: normal; border-color: black; text-align: center; vertical-align: top;" style="border-color: black; border-image: initial !important; border-style: solid; border-width: 1px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial, sans-serif; font-size: 14px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: 24px; margin: 0px; overflow-wrap: break-word; overflow: hidden; padding: 10px 5px; text-align: center; vertical-align: top; word-break: normal;">6.6g</td></tr></tbody></table></div><p class="MsoNormal" style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: "Times New Roman"; font-size: 15.4px;">Grafik Respon Pir terhadap suhu</p><div class="separator" style="background-color: white; clear: both; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: "Times New Roman"; font-size: 15.4px; text-align: center;"></div><br style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: "Times New Roman"; font-size: 15.4px;" /><br style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;" /><p class="MsoNormal" style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family:

padding: 0px; vertical-align: baseline;">Package Type: Available in DO-41 & SMD Packages<li style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px none; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; line-height: inherit; list-style: outside none square; margin: 0px; padding: 0px; vertical-align: baseline;">Diode Type: Silicon Rectifier General Usage Diode<li style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px none; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; line-height: inherit; list-style: outside none square; margin: 0px; padding: 0px; vertical-align: baseline;">Max Repetitive Reverse Voltage is:

none; border-width: 0px; border: 0px none; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit;
font-style: inherit; font-variant: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align:
baseline;">1000 Volts<li style="border-color: currentcolor;
border-image: none; border-style: none; border-width: 0px; border: 0px none; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit;
font-style: inherit; font-variant: inherit; line-height: inherit; list-style: outside none square; margin: 0px;
padding: 0px; vertical-align: baseline;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Average Fwd
Current: <span style="border-color: currentcolor; border-image: none; border-style: none;
border-width: 0px; border: 0px none; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit;
font-style: inherit; font-variant: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align:
baseline;">1000mA<li style="border-color: currentcolor;
border-image: none; border-style: none; border-width: 0px; border: 0px none; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit;
font-style: inherit; font-variant: inherit; line-height: inherit; list-style: outside none square; margin: 0px;
padding: 0px; vertical-align: baseline;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Non-repetitive Max
Fwd Current: <span style="border-color: currentcolor; border-image: none; border-style: none;
border-width: 0px; border: 0px none; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit;
font-style: inherit; font-variant: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align:
baseline;">30A<li style="border-color: currentcolor;
border-image: none; border-style: none; border-width: 0px; border: 0px none; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit;

font-style: inherit; font-variant: inherit; line-height: inherit; list-style: outside none square; margin: 0px; padding: 0px; vertical-align: baseline;">Max Power
Dissipation is: 3W<li style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px none; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-stretch: inherit; font-style: inherit; font-variant: inherit; line-height: inherit; list-style: outside none square; margin: 0px; padding: 0px; vertical-align: baseline;">Max Storage & amp; Operating temperature Should Be: -55 to +175 Centigrade<div style="color: #222222; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"> <span

style="box-sizing: border-box; color: #111111; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;")>Konfigurasi Pin</div><table border="1" cellpadding="0" cellspacing="0" style="border-collapse: collapse; border-color: rgb(221, 221, 221); border-image: none; border-spacing: 0px; border-style: solid; border-width: 1px; border: 1px solid rgb(221, 221, 221); color: #303030; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: "Open Sans"; serif; margin-bottom: 23px; max-width: 100%; width: 772px;"><tbody style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 92px;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;"><b style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Nomor Pin</p></td><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 151px;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;"><b style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Nama Pin</p></td><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 373px;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;"><b style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Deskripsi</p></td></tr><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 92px;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;">1</p></td><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 151px;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;">Anoda</p></td><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 373px;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;">Arus selalu Masuk melalui Anoda</p></td></tr><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 92px;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;">2</p></td><td style="border-color: rgb(221, 221, 221); border-style:

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Collector</div><span style="cursor:
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Emitter</div><div style="cursor:
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style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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:</div><span style="cursor:
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background-origin: initial; background-position: initial; background-repeat: initial; background-size:
initial; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height:
15.3333px;">Transistor Type<span style="cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"> :
NPN</div><span style="color: #222222; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Voltage – Collector Emitter Breakdown (Max) : 45 V</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Current- Collector (Ic) (Max) : 100mA</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Power – Max : 625 mW</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">DC Current Gain (hFE) (Min) @ Ic, Vce : 110 @ 2mA, 5V</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Vce Saturation (Max) @ Ib Ic : 300mV, @ 5mA, 100mA</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Frequency – Transition : 300MHz</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Current- Collector Cutoff (Max) : -</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Mounting Type : Through Hole</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Package / Case : TO-226-3, TO-92-3 (TO-226AA) Formed Leads</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Packaging : Tape & amp; Box (TB</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">Lead Free Status : Lead Free</div><div style="color: #222222; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;">RoHs Status : RoHs Compliant</div></div><p class="MsoNormal" style="background-color: white; cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: times;"><span
face=""Arial";"sans-serif"" style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height:
18.4px;">Data Sheet Transistor</p><div class="separator"
style="background-color: white; clear: both; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: arial;
text-align: center;"><a
href="https://1.bp.blogspot.com/-_Xn-WJqq0f0/YCp-V8RbMYI/AAAAAAAAACLA/VIhp2x5t8ZM91lp_rYKPv
pPkO2dUxYOyWCLcBGAsYHQ/s640/data%2Bsheet%2Btransistor.JPG" style="color: #1a8e57; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin-left: 1em;
margin-right: 1em; text-decoration-line: none;"></div><span
style="font-size: 13.5pt;"><br style="cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;" /></span
style="background-color: white; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height:
18.4px;"><br style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;" /><p
class="MsoNormal" style="background-color: white; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
face=""Arial";"sans-serif"" style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height:
18.4px;"></p><p class="MsoNormal" style="background-color: white; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: arial;">Grafik Respon</p><p class="MsoNormal" style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: arial;"></p><div class="separator" style="background-color: white; clear: both; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: arial; text-align: center;"></div><br style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;" /><br style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;" /><div class="separator" style="background-color: white; clear: both; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: center;"><a href="https://1.bp.blogspot.com/-4aNbEcUXHyM/YCp-jCT6aJI/AAAAAAAAACLM/_LW4XHcRJFgoGJtEb6Tsk

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><br style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;" /><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: left;"><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"> Konfigurasi PIN Relay</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><table class="MsoTableGrid" style="border-collapse: collapse; border-color: windowtext; border-image: none; border-spacing: 0px; border-style: solid; border-width: 1pt; border: 1pt solid windowtext; color: #303030; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin-bottom: 23px; max-width: 100%; width: 772px;"><tbody style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td style="border-color: windowtext; border-image: none; border-style: solid; border-width: 1pt; border: 1pt solid windowtext; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 58.75pt;" width="78"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;"><b style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Nomor PIN</p></td><td style="border-bottom: 1pt solid windowtext; border-color: windowtext windowtext windowtext currentcolor; border-image: initial;

border-left: none; border-right: 1pt solid windowtext; border-style: solid solid solid none; border-top: 1pt solid windowtext; border-width: 1pt 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 136.5pt;" width="182"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;"><b style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Nama Pin</p></td><td style="border-bottom: 1pt solid windowtext; border-color: windowtext windowtext windowtext currentcolor; border-image: initial; border-left: none; border-right: 1pt solid windowtext; border-style: solid solid solid none; border-top: 1pt solid windowtext; border-width: 1pt 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 263.75pt;" width="352"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;"><b style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Deskripsi</p></td></tr><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext; border-image: initial; border-left: 1pt solid windowtext; border-right: 1pt solid windowtext; border-style: none solid solid; border-top: none; border-width: medium 1pt 1pt; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 58.75pt;" width="78"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;">1</p></td><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext currentcolor; border-left: none; border-right: 1pt solid windowtext; border-style: none solid solid none; border-top: none; border-width: medium 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 136.5pt;" width="182"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;">Coil End 1</p></td><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext currentcolor; border-left: none; border-right: 1pt solid windowtext; border-style: none solid solid none; border-top: none; border-width: medium 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 263.75pt;" width="352"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: justify;">Digunakan untuk memicu (On / Off) Relay, Biasanya satu ujung terhubung ke 12V dan ujung lainnya ke ground</p></td></tr><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext; border-image: initial; border-left: 1pt solid windowtext; border-right: 1pt solid windowtext; border-style: none solid solid; border-top: none; border-width: medium 1pt 1pt; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 58.75pt;" width="78"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;">2</p></td><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext currentcolor; border-left: none; border-right: 1pt solid windowtext; border-style: none solid solid none; border-top: none; border-width: medium 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 136.5pt;" width="182"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;">Coil End 2</p></td><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext currentcolor; border-left: none; border-right: 1pt solid windowtext; border-style: none solid solid none; border-top: none; border-width: medium 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 263.75pt;" width="352"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: justify;">Digunakan untuk memicu (On / Off) Relay, Biasanya satu ujung terhubung ke 12V dan ujung lainnya ke ground</p></td></tr><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; height: 2.3pt;"><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext;

border-image: initial; border-left: 1pt solid windowtext; border-right: 1pt solid windowtext; border-style: none solid solid; border-top: none; border-width: medium 1pt 1pt; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 58.75pt;" width="78"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;">3</p></td><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext currentcolor; border-left: none; border-right: 1pt solid windowtext; border-style: none solid solid none; border-top: none; border-width: medium 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 136.5pt;" width="182"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;">Common (COM)</p></td><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext currentcolor; border-left: none; border-right: 1pt solid windowtext; border-style: none solid solid none; border-top: none; border-width: medium 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 263.75pt;" width="352"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10pt; padding: 0in 5.4pt; text-align: center;">Common terhubung ke salah satu Ujung Beban yang akan dikontrol</p></td></tr><tr style="box-sizing: border-box; cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; height: 2.3pt;"><td
style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext;
border-image: initial; border-left: 1pt solid windowtext; border-right: 1pt solid windowtext; border-style:
none solid solid; border-top: none; border-width: medium 1pt 1pt; box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 58.75pt;" width="78"><p align="center" style="box-sizing:
border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px
0.0001pt; padding: 0in 5.4pt; text-align: center;"><span
style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height:
normal;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="color:
black;"></p></td><td style="border-bottom: 1pt solid windowtext;
border-color: currentcolor windowtext windowtext currentcolor; border-left: none; border-right: 1pt
solid windowtext; border-style: none solid solid none; border-top: none; border-width: medium 1pt 1pt
medium; box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 136.5pt;" width="182"><p align="center" style="box-sizing:
border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px
0.0001pt; padding: 0in 5.4pt; text-align: center;"><span
style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height:
normal;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span style="color:
black;">Normally Close (NC)</p></td><td style="border-bottom: 1pt
solid windowtext; border-color: currentcolor windowtext windowtext currentcolor; border-left: none;
border-right: 1pt solid windowtext; border-style: none solid solid none; border-top: none; border-width:
medium 1pt 1pt medium; box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65;
padding: 8px; vertical-align: top; width: 263.75pt;" width="352"><p style="box-sizing: border-box;
cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px

0.0001pt; padding: 0in 5.4pt; text-align: justify;">Ujung lain dari beban terhubung ke NO atau NC. Jika terhubung ke NC beban tetap terhubung sebelum pemicu</p></td></tr><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; height: 2.3pt;"><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext; border-image: initial; border-left: 1pt solid windowtext; border-right: 1pt solid windowtext; border-style: none solid solid; border-top: none; border-width: medium 1pt 1pt; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 58.75pt;" width="78"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 0.0001pt; padding: 0in 5.4pt; text-align: center;">5</p></td><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext currentcolor; border-left: none; border-right: 1pt solid windowtext; border-style: none solid solid none; border-top: none; border-width: medium 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 136.5pt;" width="182"><p align="center" style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 0.0001pt; padding: 0in 5.4pt; text-align: center;">Normally Open (NO)</p></td><td style="border-bottom: 1pt solid windowtext; border-color: currentcolor windowtext windowtext currentcolor; border-left: none; border-right: 1pt solid windowtext; border-style: none solid solid none; border-top: none; border-width: medium 1pt 1pt medium; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top; width: 263.75pt;" width="352"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 0.0001pt; padding: 0in 5.4pt; text-align: justify;">Ujung lain dari beban terhubung ke NO atau NC. Jika terhubung ke NO, beban tetap terputus sebelum pemicu</p></td></tr></tbody></table></div></div></div><div style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: Arial,Tahoma,Helvetica,FreeSans,sans-serif;"><b style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"> Spesifikasi :</div><div style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align: center;"><ul style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em;"><li style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; list-style: outside none disc; margin: 0px 0px 0.25em; padding: 0px; text-align: left;">Trigger Voltage (Voltage across coil) : 5V DC<li style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; list-style: outside none disc; margin: 0px 0px 0.25em; padding: 0px; text-align: left;">Trigger Current (Nominal current) : 70mA<li style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; list-style: outside none disc; margin: 0px 0px 0.25em; padding: 0px; text-align: left;">Maximum AC load current: 10A @ 250/125V AC<li style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; list-style: outside none disc; margin: 0px 0px 0.25em; padding: 0px; text-align: left;">Maximum DC load current: 10A @ 30/28V DC</div>

2.4V

- Reverse Voltage: 5V
- Operating Temperature: -30°C to +85°C
- Storage Temperature: -40°C to +100°C
- Luminous Intensity: 20mcd

background-color: white; cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;

 Konfigurasi Pin

Pin 1 : Positive terminal of LED

Pin 2 : Negative terminal of LED

margin-left: 0.5in;

margin-left: 0.5in; mso-list: l0 level1 lfo1; text-indent: -0.25in;

K.

font-variant-east-asian: normal; font-variant-numeric: normal; line-height:

Motor

margin-left: 0.5in;

Motor DC adalah komponen elektronika yang akan berputar sesuai

dengan rotasi dan akan berputar jika adanya gaya medan magnet pada motor

margin-left: 0.5in;

clear: both; text-align: center;

clear: both; text-align: center;

clear: both; text-align: center;

href="https://blogger.googleusercontent.com/img/a/AVvXsEitJAOPkjTaHlbo_cJoZXQKf0fWX6je9EjrtOS_Z

FFys811Ah9yHsr2sthamKkNcSptxHHsR_kWLELKN2QPLL9bxGMkBLTph5tVhphgw7Lta0Vr5Av-JRLpO-pld0

NcLb3sHIJqAPVEmABHL1L1TW9vw-p_KU2t4byzOc4fn2AM2ElmY1iJHws2x87DEg" style="margin-left:

1em; margin-right: 1em;"><br style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;" /></div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"> Konfigurasi PIN</div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"><table style="border-collapse: collapse; border-color: rgb(221, 221, 221); border-image: none; border-spacing: 0px; border-style: solid; border-width: 1px; border: 1px solid rgb(221, 221, 221); color: #303030; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-weight: bold; margin-bottom: 23px; max-width: 100%; width: 772px;"><tbody style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; line-height: 1.65; padding: 8px; vertical-align: top;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; margin: 6px 0px 10px; text-align: justify;">No:</p></td><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; line-height: 1.65; padding: 8px; vertical-align: top;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; margin: 6px 0px 10px; text-align: justify;"><span style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani");

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Pin Name</p></td><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;">Description</p></td></tr><tr style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;">1</p></td><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;"><span style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),

url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Terminal 1</p></td><td rowspan="2" style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;">A

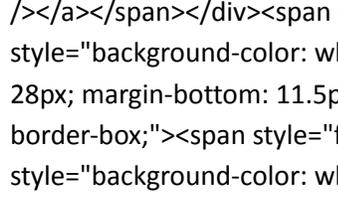
normal DC motor would have only two terminals. Since these terminals are connected together only through a coil they have not polarity.

Revering the connection will only reverse the direction of the motor</p></td></tr><tr style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px; text-align: justify;">2</p></td><td style="border-color: rgb(221, 221, 221); border-style: solid; border-width: 1px 1px 1px 0px; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.65; padding: 8px; vertical-align: top;"><p style="box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; margin: 6px 0px 10px;

Resistor adalah komponen elektronika yang akan menghambat arus dan

tegangan pada rangkaian





Features

- Carbon Film Resistor
- 4-band Resistor

- Resistor value varies based on selected parameter
- Power rating varies based on selected parameter

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url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Specifications</td><td style="border-top: 1px solid
rgb(221, 221, 221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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style="font-family: arial;"> </td></tr><tr style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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style="border-top: 1px solid rgb(221, 221, 221); box-sizing: border-box; cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Resistance (Ohms)</td><td style="border-top: 1px solid
rgb(221, 221, 221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">10K, 500K</td></tr><tr style="background-color: #f9f9f9;
box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td
style="border-top: 1px solid rgb(221, 221, 221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Power (Watts)</td><td style="border-top: 1px solid rgb(221,
221, 221); box-sizing: border-box; cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">0.25W, 1/4W</td></tr><tr style="box-sizing: border-box;
cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td
style="border-top: 1px solid rgb(221, 221, 221); box-sizing: border-box; cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Tolerance</td><td style="border-top: 1px solid rgb(221, 221,
221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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padding: 5px; vertical-align: top;"><span style="cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">±5%</td></tr><tr style="background-color: #f9f9f9;
box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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padding: 5px; vertical-align: top;"><span style="cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Packaging</td><td style="border-top: 1px solid rgb(221, 221,
221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Bulk</td></tr><tr style="box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td
style="border-top: 1px solid rgb(221, 221, 221); box-sizing: border-box; cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Composition</td><td style="border-top: 1px solid rgb(221,
221, 221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Carbon Film</td></tr><tr style="background-color: #f9f9f9;
box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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style="border-top: 1px solid rgb(221, 221, 221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Temperature Coefficient</td><td style="border-top: 1px solid
rgb(221, 221, 221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">350ppm/°C</td></tr><tr style="box-sizing: border-box;
cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td
style="border-top: 1px solid rgb(221, 221, 221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;
padding: 5px; vertical-align: top;"><span style="cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><span
style="font-family: arial;">Lead Free Status</td><td style="border-top: 1px solid rgb(221,
221, 221); box-sizing: border-box; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857;

padding: 5px; vertical-align: top;">Lead Free</td></tr><tr style="background-color: #f9f9f9; box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;"><td style="border-top: 1px solid rgb(221, 221, 221); box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857; padding: 5px; vertical-align: top;">RoHS Status</td><td style="border-top: 1px solid rgb(221, 221, 221); box-sizing: border-box; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; line-height: 1.42857; padding: 5px; vertical-align: top;">RoHS Compliant</td></tr></tbody></table><p class="MsoNormal" style="background-color: white; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: arial;">Data sheet resistor:</p><div class="separator" style="background-color: white; clear: both; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-family: arial; text-align: center;"></div></div><p class="MsoListParagraph" style="margin-left: 0.5in;"><span
style="font-family: times; font-size: 13.5pt;">sistem sensor infra merah pada dasarnya menggunakan
infra merah

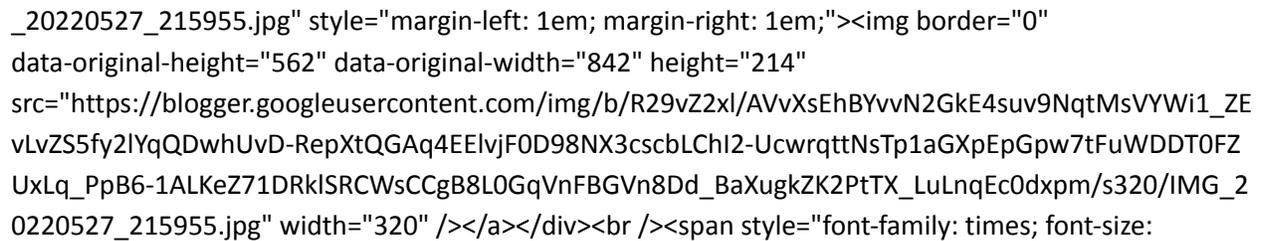
sebagai media untuk komunikasi data antara receiver dan transmitter. Sistem
akan bekerja jika sinar infra merah yang dipancarkan terhalang oleh suatu benda
yang mengakibatkan sinar infra merah tersebut tidak dapat terdeteksi oleh
penerima. Keuntungan atau manfaat dari sistem ini dalam penerapannya antara
lain sebagai pengendali jarak jauh, alarm keamanan, otomatisasi pada sistem.

Pemancar pada sistem ini terdiri atas sebuah LED infra merah yang dilengkapi
dengan rangkaian yang mampu membangkitkan data untuk dikirimkan melalui sinar
infra merah, sedangkan pada bagian penerima biasanya terdapat foto transistor,
fotodiode, atau inframerah modul yang berfungsi untuk menerima sinar inframerah

yang dikirimkan oleh pemancar.</p><p class="MsoListParagraph" style="margin-left:
0.5in;">1. Resistor : R1 (33 K ohm), R2 (1 K ohm) ,
VR1 (Potensio 100 K

ohm)</p><p class="MsoListParagraph" style="margin-left: 0.5in;"><span style="font-family:
times; font-size: 13.5pt;">2. Kapasitor : C1 (100nF)</p><p class="MsoListParagraph"
style="margin-left: 0.5in;">3. Transistor : Q2 (BC547
)</p><p class="MsoListParagraph" style="margin-left: 0.5in;"><span style="font-family: times;
font-size: 13.5pt;">4. Foto transistor : Q1</p><p class="MsoListParagraph" style="margin-left:
0.5in;">5. IC : 40106 (Schmitt trigger), 4026 (Decade
counter)</p><p class="MsoListParagraph" style="margin-left: 0.5in;"><span style="font-family:
times; font-size: 13.5pt;">6. 7-Segment</p><p class="MsoListParagraph" style="margin-left:
0.5in;">Prinsip Kerja sensor infrared:</p><p
class="MsoListParagraph" style="margin-left: 0.5in;"><span style="font-family: times; font-size:
13.5pt;">Ketika pemancar IR memancarkan radiasi, ia mencapai objek dan beberapa radiasi
memantulkan kembali ke penerima IR. Berdasarkan intensitas penerimaan oleh penerima IR, output dari
sensor ditentukan.</p><p class="MsoListParagraph" style="margin-left: 0.5in;"></p><div
class="separator" style="clear: both; text-align: center;"><a

href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhBYvvN2GkE4suv9NqtMsVYWi1_
ZEVLvZS5fy2IYqQDwhUvD-RepXtQGAq4EElvjFOD98NX3cscblChI2-UcwrqtNsTp1aGXpEpGpw7tFuWDDT0
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<p></p><p class="MsoListParagraph" style="margin-left: 0.5in;"></p><div class="separator" style="clear: both; text-align: center;"></div>
<p></p><p class="MsoListParagraph" style="margin-left: 0.5in;">Rangkaian dasar sensor infrared common emitter yang menggunakan led infrared dan fototransistor</p><p class="MsoListParagraph" style="margin-left: 0.5in;">
</p><p class="MsoListParagraph" style="margin-left: 0.5in;">Prinsip kerja rangkaian sensor infrared berdasarkan pada gambar 2. Adalah ketika cahaya infra merah diterima oleh fototransistor maka basis fototransistor akan mengubah energi cahaya infra merah menjadi arus listrik sehingga basis akan berubah seperti saklar (swith closed) atau fototransistor akan aktif (low) secara sesaat seperti gambar 3</p><p class="MsoListParagraph" style="margin-left: 0.5in;"></p><div class="separator" style="clear: both; text-align: center;"></div>

<p></p><p class="MsoListParagraph" style="margin-left: 0.5in;">Grafik Respon Sensor Infrared</p><p class="MsoListParagraph" style="margin-left: 0.5in;">Grafik dibawah menunjukkan hubungan antara resistansi dan jarak potensial untuk sensitivitas rentang antara pemancar dan penerima inframerah. Resistor yang digunakan pada sensor mempengaruhi intensitas cahaya inframerah keluar dari pemancar. Semakin tinggi resistansi yang

wave touchscreen. Semua jenis sensor ini memiliki cara kerja yang sama, yaitu menangkap perubahan arus dan sinyal-sinyal listrik yang ada pada sensor tersebut, merekamnya dan mengubahnya menjadi titik-titik koordinat yang berada di atas layar, sehingga posisi tepat dari sebuah sentuhan dapat langsung diketahui dengan benar.

Spesifikasi :



Berdasarkan

fungsinya, Sensor Sentuh dapat dibedakan menjadi dua jenis utama yaitu

Sensor Kapasitif dan Sensor Resistif. Sensor Kapasitif atau Capacitive

Sensor bekerja dengan mengukur kapasitansi sedangkan sensor Resistif

bekerja dengan mengukur tekanan yang diberikan pada permukaannya.

Open Sans, Helvetica, Arial, sans-serif

font-size: 1.25rem; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: 1.3; margin: 0px 0px 1.25rem; overflow-wrap: break-word; padding: 0px; text-align: start; vertical-align: baseline;

<https://teknikelektronika.com/wp-content/uploads/2020/05/SENSOR-SENTUH-KAPASITIF-DAN-RESISTIF.png?x42748>

border-width: 0px; border: 0px; color: #0053f9; font-family: inherit; font-size: inherit; font-stretch: inherit; font-style: inherit; font-variant: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"></h3></div><div class="separator" style="clear: both;">1) Sensor Kapasitif</div><div class="separator" style="clear: both;">Sensor

sentuh Kapasitif merupakan sensor sentuh yang sangat populer pada saat

ini, hal ini dikarenakan Sensor Kapasitif lebih kuat, tahan lama dan

mudah digunakan serta harga yang relatif lebih murah dari sensor

resistif. Ponsel-ponsel pintar saat ini telah banyak yang menggunakan

teknologi ini karena juga menghasilkan respon yang lebih akurat. </div><div class="separator" style="clear: both;">Berbeda

dengan Sensor Resistif yang menggunakan tekanan tertentu untuk

merasakan perubahan pada permukaan layar, Sensor Kapasitif memanfaatkan

sifat konduktif alami pada tubuh manusia untuk mendeteksi perubahan

layar sentuhnya. Layar sentuh sensor kapasitif ini terbuat dari bahan

konduktif (biasanya <i style="color: #222222; font-stretch: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; text-align: justify;">Indium Tin Oxide</i> atau

disingkat dengan ITO) yang dilapisi oleh kaca tipis dan hanya bisa

disentuh oleh jari manusia atau stylus khusus ataupun sarung khusus yang

memiliki sifat konduktif.

Pada saat jari menyentuh layar, akan terjadi perubahan medan listrik pada layar sentuh tersebut dan kemudian di respon oleh processor untuk membaca pergerakan jari tangan tersebut. Jadi perlu diperhatikan bahwa sentuhan kita tidak akan di respon oleh layar sensor kapasitif ini apabila kita menggunakan bahan-bahan non-konduktif sebagai perantara

jari tangan dan layar sentuh tersebut.

2) **Sensor Resistif**

Tidak

seperti sensor sentuh kapasitif, sensor sentuh resistif ini tidak tergantung pada sifat listrik yang terjadi pada konduktivitas pelat logam. Sensor Resistif bekerja dengan mengukur tekanan yang diberikan pada permukaannya. Karena tidak perlu mengukur perbedaan kapasitansi, sensor sentuh resistif ini dapat beroperasi pada bahan non-konduktif

seperti pena, stylus atau jari di dalam sarung tangan.

Sensor

sentuh resistif terdiri dari dua lapisan konduktif yang dipisahkan oleh jarak atau celah yang sangat kecil. Dua lapisan konduktif (lapisan atas dan lapisan bawah) ini pada dasarnya terbuat dari sebuah film.

Film-film umumnya dilapisi oleh Indium Tin Oxide yang merupakan

konduktor listrik yang baik dan juga transparan (bening).

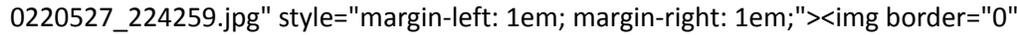
Cara

kerjanya hampir sama dengan sebuah sakelar, pada saat film lapisan atas mendapatkan tekanan tertentu baik dengan jari maupun stylus, maka film

lapisan atas akan bersentuhan dengan film lapisan bawah sehingga

menimbulkan aliran listrik pada titik koordinat tertentu layar tersebut

dan memberikan signal ke prosesor untuk melakukan proses selanjutnya.

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 220527_224259.jpg" width="320" data-bbox="112 208 888 245"/>

<p></p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;"> Secara umum, Operational Amplifier (Op-Amp) yang ideal memiliki karakteristik sebagai berikut :</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;"> 1. Penguatan Tegangan Open-loop atau $A_v = \infty$ (tak terhingga)</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;"> 2. Tegangan Offset Keluaran (Output Offset Voltage) atau $V_{oo} = 0$ (nol)</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;"> 3. Impedansi Masukan (Input Impedance) atau $Z_{in} = \infty$ (tak terhingga)</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;"> 4. Impedansi Output (Output Impedance) atau $Z_{out} = 0$ (nol)</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;"> 5. Lebar Pita (Bandwidth) atau $BW = \infty$ (tak terhingga)</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;"> 6. Karakteristik tidak berubah dengan suhu</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;"> Pada dasarnya, kondisi Op-Amp ideal hanya merupakan teoritis dan hampir tidak mungkin dicapai dalam kondisi praktis. Namun produsen perangkat Op-Amp selalu berusaha untuk memproduksi Op-Amp yang mendekati kondisi idealnya ini. Oleh karena itu, sebuah Op-Amp yang baik adalah Op-Amp yang memiliki karakteristik yang hampir mendekati kondisi Op-Amp Ideal</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;"> </p><p class="MsoNormal" style="color:

#222222; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Karakteristik IC
OpAmp</p><ul style="color: #222222; cursor:
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Open-loop atau $A_v = \infty$ (tak terhingga)<li
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Keluaran (Output Offset Voltage) atau $V_{oo} = 0$ (nol)<li
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">Impedansi Masukan
(Input Impedance) atau $Z_{in} = \infty$ (tak terhingga)<li
class="MsoNormal" style="cursor:

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(Bandwidth) atau $BW = \infty$ (tak terhingga)<li style="cursor:
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Amplifier</p><div class="separator" style="clear: both; color: #222222; cursor:
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<p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;">E. Sensor

Hujan</p><p class="MsoNormal" style="line-height: normal; margin-bottom: 0in; margin-left: .5in; margin-right: 0in; margin-top: 0in; margin: 0in 0in 0in 0.5in;"></p><div class="separator" style="clear: both; text-align: center;"></div>

<p><p class="MsoNormal" style="line-height: normal; margin-bottom: 0in; margin-left: .5in; margin-right: 0in; margin-top: 0in; margin: 0in 0in 0in 0.5in;">Sensor hujan

adalah jenis sensor yang berfungsi untuk mendeteksi terjadinya hujan atau

tidak, yang dapat difungsikan dalam

segala macam aplikasi dalam kehidupan sehari -hari. Dipasaran sensor ini dijual

dalam bentuk module sehingga hanya perlu menyediakan kabel jumper untuk

dihubungkan ke mikrokontroler atau Arduino.</p><p class="MsoNormal" style="line-height:

normal; margin-bottom: 0in; margin-left: .5in; margin-right: 0in; margin-top: 0in; margin: 0in 0in 0in

0.5in;"><span style="font-family: "Times New Roman"; serif; font-size: medium;

mso-fareast-font-family: "Times New Roman";"> </p><p class="MsoNormal"

style="line-height: normal; margin-bottom: 0in; margin-left: .5in; margin-right: 0in; margin-top: 0in;

margin: 0in 0in 0in 0.5in;"><span style="font-family: "Times New Roman"; serif; font-size:

medium; mso-fareast-font-family: "Times New Roman";">Prinsip

kerja dari module sensor ini yaitu pada saat ada air hujan turun dan mengenai

panel sensor maka akan terjadi proses elektrolisis oleh air hujan. Dan karena

air hujan termasuk dalam golongan cairan elektrolit yang dimana cairan tersebut

akan menghantarkan arus listrik.</p><p class="MsoNormal" style="line-height:

margin-bottom: 0in; margin-left: .5in; margin-right: 0in; margin-top: 0in; margin: 0in 0in 0in

0.5in;"><span style="font-family: "Times New Roman"; serif; font-size: medium;

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hujan ini terdapat ic komparator yang dimana output dari sensor ini dapat

berupa logika high dan low (on atau off). Serta pada modul sensor ini terdapat

output yang berupa tegangan pula. Sehingga dapat dikoneksikan ke pin khusus

Arduino yaitu Analog Digital Converter.</p><p class="MsoNormal" style="line-height:

margin-bottom: 0in; margin-left: .5in; margin-right: 0in; margin-top: 0in; margin: 0in 0in 0in

0.5in;">
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text-align: center;">

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style="font-family: "Times New Roman"; serif; font-size: medium; mso-fareast-font-family:

"Times New Roman";">Spesifikasi Sensor

hujan yaitu</p>

1. Sensor ini bermaterial dari FR-04 dengan dimensi 5cm x 4cm berlapis nikel dan dengan kualitas tinggi pada kedua sisinya

2. Pada lapisan module mempunyai sifat anti oksidasi sehingga tahan terhadap korosi

3. Tegangan kerja masukan sensor 3.3V – 5V

4. Menggunakan IC comparator LM393 yang stabil

5. Output dari modul comparator dengan kualitas sinyal bagus lebih dari 15mA

6.

0.0001pt; text-align: center;"></div><table align="center" cellpadding="0" cellspacing="0" class="tr-caption-container" style="margin-left: auto; margin-right: auto;"><tbody><tr><td style="text-align: center;"></td></tr></tbody></table><div align="center" class="MsoNormal" style="font-family: Arial,Tahoma,Helvetica,FreeSans,sans-serif; font-size: 16.5px; line-height: normal; margin-bottom: 0.0001pt; text-align: center;"> </div><div class="MsoNormal" style="line-height: normal; margin-bottom: 0.0001pt; text-align: center;"><div class="MsoNormal" style="font-family: Arial,Tahoma,Helvetica,FreeSans,sans-serif; font-size: 16.5px; line-height: normal; margin-bottom: 0.0001pt; text-align: left;">Sensor

PIR memiliki jangkauan jarak yang bervariasi, tergantung karakteristik

sensor. Proses penginderaan sensor PIR dapat digambarkan sebagai

berikut:</div><div align="center" class="MsoNormal" style="font-family: Arial,Tahoma,Helvetica,FreeSans,sans-serif; font-size: 16.5px; line-height: normal; margin-bottom: 0.0001pt;"></div><div align="center" class="MsoNormal" style="font-family: Arial,Tahoma,Helvetica,FreeSans,sans-serif; font-size: 16.5px; line-height: normal; margin-bottom: 0.0001pt;"> </div><table align="center" cellpadding="0" cellspacing="0" class="tr-caption-container" style="margin-left: auto; margin-right: auto;"><tbody><tr><td style="text-align: center;"></td></tr><tr><td class="tr-caption"

style="text-align: center;">Jangkauan Sensor
PIR</td></tr></tbody></table><div align="center" class="MsoNormal" style="font-family:
Arial,Tahoma,Helvetica,FreeSans,sans-serif; font-size: 16.5px; line-height: normal; margin-bottom:
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Arial,Tahoma,Helvetica,FreeSans,sans-serif; font-size: 16.5px; line-height: normal; margin-bottom:
0.0001pt; text-align: left;">Pada

umumnya sensor PIR memiliki jangkauan pembacaan efektif hingga 5 meter,

dan sensor ini sangat efektif digunakan sebagai human detector.</div><div class="MsoNormal"
style="font-family: Arial,Tahoma,Helvetica,FreeSans,sans-serif; font-size: 16.5px; line-height: normal;
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YIYMAYMGDAGDBgwBgwYIYMAYMGDAf//Z" width="199" />
</p><p class="MsoListParagraph" style="margin-left: 0.5in;">Ic demultiplexer 74155 adalah integrated circuit yang bersifat

demultiplexer dengan dua bentuk demux input 1 ke 4 dengan input tambahan yaitu

seat A dan B serta adanya enable dan C</p><p class="MsoListParagraph" style="margin-left: 0.5in;">Demultiplexer adalah

perangkat yang mengambil sinyal input

yang tunggal yang memilih salah satu dari banyak output yang di data baris yang

berhubungan ke input tunggal multimplexer. Satu multiplexer yang banyak dipakai

dengan demultiplexer untuk melengkapkan dan

di ujung penerima. Bentuk multiplexer elektronik yang bisa dianggap

sebagai beberapa masukan tunggal output switch yang demultiplexer sebagai

bentuk masukan tunggal , ganda output switch .</p><p class="MsoListParagraph" style="margin-left: 0.5in;">Demultiplexer juga bisa diartikan dengan rangkaian logika yang

menerima satu input data yang mendistribusikan input tersebut yang beberapa

output yang telah disediakan juga merupakan kebalikan multiplexer</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;">H.

Diode</p><p class="MsoListParagraph" style="margin-left: 0.5in;"></p><div class="separator" style="clear: both; text-align: center;"></div>
<p></p><p class="MsoListParagraph" style="margin-left: 0.5in;"><span

Diode</p><p class="MsoListParagraph" style="margin-left: 0.5in;"></p><div class="separator" style="clear: both; text-align: center;"></div>
<p></p><p class="MsoListParagraph" style="margin-left: 0.5in;"><span

style="font-family: times; font-size: 13.5pt; ">Diode adalah komponen elektronika yang akan menyearahkan tegangan dengan

syarat katoda harus lebih kecil dibanding anoda. </p><p class="MsoListParagraph" style="margin-left: 0.5in;">Dioda (Diode) adalah Komponen Elektronika Aktif yang terbuat dari

bahan semikonduktor dan mempunyai fungsi untuk menghantarkan arus listrik ke satu arah tetapi menghambat arus listrik dari arah sebaliknya. Oleh karena itu,

Dioda sering dipergunakan sebagai penyearah dalam Rangkaian Elektronika. Dioda pada umumnya mempunyai 2 Elektroda (terminal) yaitu Anoda (+) dan Katoda (-)

dan memiliki prinsip kerja yang berdasarkan teknologi pertemuan p-n

semikonduktor yaitu dapat mengalirkan arus dari sisi tipe-p (Anoda) menuju ke

sisi tipe-n (Katoda) tetapi tidak dapat mengalirkan arus ke arah sebaliknya.</p><div

class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;"><div

class="separator" style="clear: both; text-align: center;"><div class="separator" style="clear: both; text-align: center;"><span style="font-family:

times;"><a

href="https://blogger.googleusercontent.com/img/a/AVvXsEhwnlc7Iz2SDpNon1IfQAO-bDLnFWiCo_CxflV55PmztYWpdirk9t-jHuHTlyerU4dFey1OQU3_-p0wGZoACNYQoNDmCwuKIMKekUE_9Zu4QcdkKfjlxW56AoaAvx8sTBS03TqxEptWLKNbPuB3Z6Uk1tP3j-uOUaDIOytrKKk4jDmDdlSGhQr6kuYbA"

style="margin-left: 1em; margin-right: 1em;"></div><div class="separator" style="clear: both; text-align: center;"><div class="separator" style="clear: both; text-align: center;"></div>

</div></div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; text-align: start;"><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"><p style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: inherit; margin: 0px 0px 20px; padding: 0px; vertical-align: baseline;">Secara

sederhana, cara kerja dioda dapat dijelaskan dalam tiga kondisi, yaitu

kondisi tanpa tegangan (unbiased), diberikan tegangan positif (forward

biased), dan tegangan negatif (reverse biased).</p><h3 style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; font-weight: normal; line-height: 1.6; margin: 0px 0px 10px; padding: 0px; position: relative; vertical-align: baseline;">1. Kondisi tanpa tegangan</h3><p style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; cursor:

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-stretch: inherit;

font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: inherit; margin: 0px 0px 20px; padding: 0px; vertical-align: baseline;">>Pada

kondisi tidak diberikan tegangan akan terbentuk suatu perbatasan medan

listrik pada daerah P-N junction. Hal ini terjadi diawali dengan proses

difusi, yaitu Bergeraknya muatan elektro dari sisi n ke sisi p.

Elektron-elektron tersebut akan menempati suatu tempat di sisi p yang

disebut dengan holes. Pergerakan elektron-elektron tersebut akan

meninggalkan ion positif di sisi n, dan holes yang terisi dengan

elektron akan menimbulkan ion negatif di sisi p. Ion-ion tidak bergerak

ini akan membentuk medan listrik statis yang menjadi penghalang

pergerakan elektron pada dioda.

```
<p style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; cursor: url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.ani&quot;), url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.png&quot;), auto; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: inherit; margin: 0px 0px 20px; padding: 0px; vertical-align: baseline;"></p><div style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; cursor: url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.ani&quot;), url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.png&quot;), auto; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; font-weight: normal; line-height: 1.6; margin: 0px 0px 10px; padding: 0px; position: relative; text-align: left; vertical-align: baseline;"><span>2. Kondisi tegangan positif (Forward-bias)</span></div><p style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; cursor: url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.ani&quot;), url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.png&quot;), auto; font-stretch: inherit;
```

font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: inherit; margin: 0px 0px 20px; padding: 0px; vertical-align: baseline;">Pada

kondisi ini, bagian anoda disambungkan dengan terminal positif sumber

listrik dan bagian katoda disambungkan dengan terminal negatif. Adanya

tegangan eksternal akan mengakibatkan ion-ion yang menjadi penghalang

aliran listrik menjadi tertarik ke masing-masing kutub. Ion-ion negatif

akan tertarik ke sisi anoda yang positif, dan ion-ion positif akan

tertarik ke sisi katoda yang negatif. Hilangnya penghalang-penghalang

tersebut akan memungkinkan pergerakan elektron di dalam dioda, sehingga

arus listrik dapat mengalir seperti pada rangkaian tertutup.

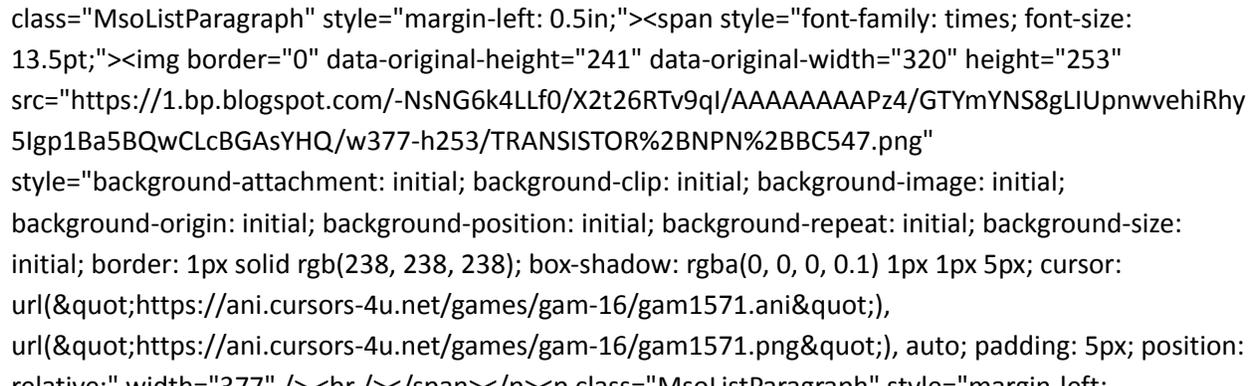
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<p style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; cursor: url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.ani&quot;), url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.png&quot;), auto; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: inherit; margin: 0px 0px 20px; padding: 0px; vertical-align: baseline;"></p></span></span></div><div style="cursor: url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.ani&quot;), url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.png&quot;), auto;"><span style="font-family: times;"><span style="background-color: #ea9999; cursor: url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.ani&quot;), url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.png&quot;), auto;"><h3 style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; cursor: url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.ani&quot;), url(&quot;https://ani.cursors-4u.net/games/gam-16/gam1571.png&quot;), auto; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; font-weight: normal; line-height: 1.6; margin: 0px 0px 10px; padding: 0px; position: relative; vertical-align: baseline;"><span style="cursor:
```

url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;">3. Kondisi
tegangan negatif (Reverse-bias)</h3><p style="border-color: currentcolor;
border-image: none; border-style: none; border-width: 0px; border: 0px; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: inherit; margin: 0px 0px 20px;
padding: 0px; vertical-align: baseline;">Pada

kondisi ini, bagian anoda disambungkan dengan terminal negatif sumber listrik dan bagian katoda disambungkan dengan terminal positif. Adanya tegangan eksternal akan mengakibatkan ion-ion yang menjadi penghalang aliran listrik menjadi tertarik ke masing-masing kutub. Pemberian tegangan negatif akan membuat ion-ion negatif tertarik ke sisi katoda (n-type) yang diberi tegangan positif, dan ion-ion positif tertarik ke sisi anoda (p-type) yang diberi tegangan negatif. Pergerakan ion-ion tersebut searah dengan medan listrik statis yang menghalangi pergerakan elektron, sehingga penghalang tersebut akan semakin tebal oleh ion-ion.

Akibatnya, listrik tidak dapat mengalir melalui dioda dan rangkaian

diibaratkan menjadi rangkaian terbuka.</p><p style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; cursor:
url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: inherit; margin: 0px 0px 20px;
padding: 0px; vertical-align: baseline;"></p></div></div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; text-align: start;"><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; text-align: center;"><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; text-align: left;"><h2 style="box-sizing: inherit; color: #222222; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-weight: 400; margin: 0px 0px 15px; position: relative;"><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"><h3><b style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"></h3><h3 style="text-align: left;">rumus</div></div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto;"><h2 style="box-sizing: inherit; color: #222222; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; font-weight: 400; margin: 0px 0px 15px; position: relative;"><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"); url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"); auto; text-align: center;"><div class="separator" style="clear: both; cursor:


Transistor adalah komponen elektronika yang memiliki 3 terminal yaitu

terminal base , collector , emitor . tegangan akan masuk ke relay saat terminal

base tidak dialiri tegangan

Transistor bipolar memiliki 2 junction yang dapat disamakan dengan

penggabungan 2 buah dioda. Emiter-Base adalah satu junction dan Base-Kolektor

junction lainnya itulah kenapa disebut (Bipolar Junction Transistor). Seperti

pada dioda, arus hanya akan mengalir hanya jika diberi bias positif, yaitu

hanya jika tegangan pada material P lebih positif daripada material N (forward

bias). Pada gambar ilustrasi transistor NPN berikut ini, junction base-emiter

diberi bias positif sedangkan basecollector mendapat bias negatif (reverse

bias).

Jika misalnya tegangan base-emitor dibalik (reverse bias), maka

tidak akan terjadi aliran elektron dari emitor menuju kolektor. Jika pelan-pelan

‘keran’ base diberi bias maju (forward bias), elektron mengalir menuju kolektor

dan besarnya sebanding dengan besar arus bias base yang diberikan. Dengan kata

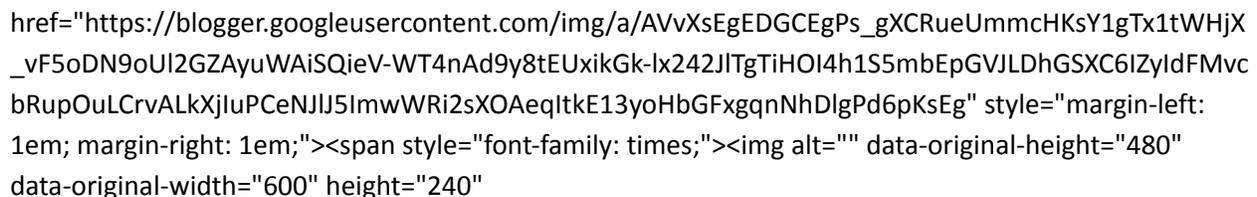
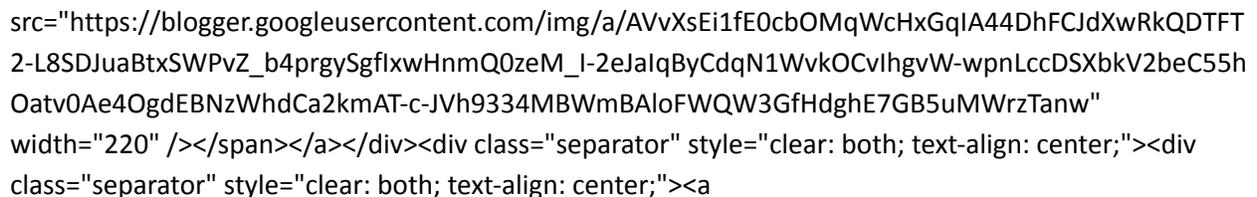
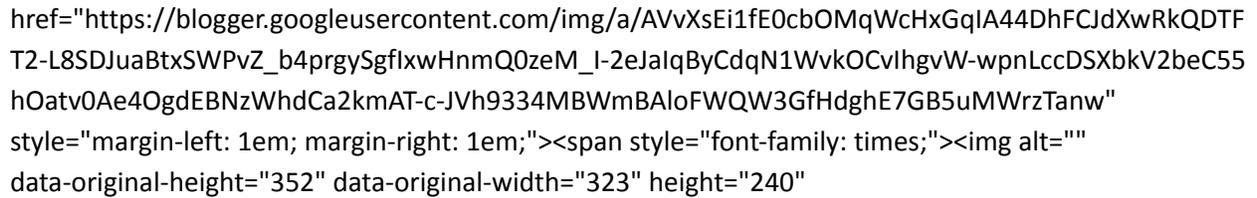
lain, arus base mengatur banyaknya electron yang mengalir dari emiter menuju

kolektor.

Pada transistor NPN, semikonduktor tipe-P diapit oleh dua semikonduktor tipe-N. Transistor NPN juga dapat dibentuk dengan menghubungkan anoda dari dua dioda sebagai base dan katoda sebagai kolektor dan emitor. Arus mengalir dari kolektor ke emitor karena potensial kolektor

lebih besar daripada base dan emitor

Pada transistor PNP, semikonduktor tipe-N diapit oleh dua semikonduktor tipe-P. Transistor PNP juga dapat dibentuk dengan menghubungkan katoda dari dua dioda sebagai base dan anoda sebagai kolektor dan emitor. Hubungan emitter-base foward bias sementara collector-base reverse bias. Jadi, arus mengalir dari emitor ke kolektor karena potensial emitor lebih besar daripada base dan kolektor.



url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"),
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line-height: normal; margin-left: 54pt; text-align: start;")<span style="cursor:
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url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;") </p><p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; color: #666666; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-weight: 400; line-height: 11.2pt; margin-bottom: 0cm; margin-left: 36pt; text-align: justify; text-indent: 42pt;"><i style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;")></i><span style="color: #333333; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;") = perubahan arus basis<span style="color: black; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;") </p><p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; color: #666666; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; font-weight: 400; line-height: 11.2pt; margin-bottom: 0cm; margin-left: 36pt; text-align: justify; text-indent: 42pt;"><i style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;")><sub style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;")>FE</sub></i><span style="color: #333333; cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;") = arus yang dicapai</p></div></div><br style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto;" /></div><div style="cursor: url("https://ani.cursors-4u.net/games/gam-16/gam1571.ani"), url("https://ani.cursors-4u.net/games/gam-16/gam1571.png"), auto; text-align:

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style="font-family: times;"><a
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margin-right: 1em; text-decoration-line: none;">
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Transistor</div><div style="cursor:
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akan menjadi OPEN atau tidak terhubung. Pada saat tidak dialiri arus listrik,

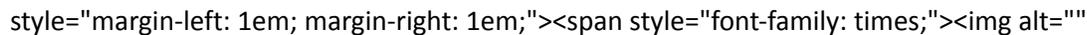
Armature akan kembali lagi ke posisi Awal (NC). Coil yang digunakan oleh Relay

untuk menarik Contact Poin ke Posisi Close pada umumnya hanya membutuhkan arus

listrik yang relatif kecil.

Ada besi atau yang disebut dengan nama inti besi dililit oleh sebuah kumparan yang berfungsi sebagai pengendali. Sehingga kumparan kumparan yang diberikan arus listrik maka akan menghasilkan gaya elektromagnet. Gaya tersebut selanjutnya akan menarik angker untuk pindah dari biasanya tutup ke buka normal. Dengan demikian saklar menjadi pada posisi baru yang biasanya terbuka yang dapat menghantarkan arus listrik. Ketika armature sudah tidak dialiri arus listrik lagi maka ia akan kembali pada posisi awal, yaitu normal

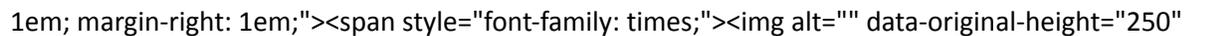
https://blogger.googleusercontent.com/img/a/AVvXsEhN5CGHX0Vkum3fNDRF7ele20zVjqD2CKqCPqmlXNld76IMv6fMkdj9Gf65--FD7pTKMoVu25WPMHavTgqBZNLd80ASBqQkp9sHZBAoN9BP6Hm3e-M3AunnotdIQUnn7u3bQ1ruusl_QkyogVthEo-rEMsf0R95A1S-kyT0SvjjL4fKroZhUtPm4Xqt1Q



data-original-height="302" data-original-width="439" height="220"

src="https://blogger.googleusercontent.com/img/a/AVvXsEhN5CGHX0Vkum3fNDRF7ele20zVjqD2CKqCPqmlXNld76IMv6fMkdj9Gf65--FD7pTKMoVu25WPMHavTgqBZNLd80ASBqQkp9sHZBAoN9BP6Hm3e-M3AunnotdIQUnn7u3bQ1ruusl_QkyogVthEo-rEMsf0R95A1S-kyT0SvjjL4fKroZhUtPm4Xqt1Q" width="320"/>

https://blogger.googleusercontent.com/img/a/AVvXsEirDjge9ShGBioZGIWU6UfsKjjabzxOPBiyCkeEqkaHgovUZvN_-N7YXxYOhSPpBcpSNRtMg6_cg2CEAy4psFMGNiD4ZABYs8P9ZJh4zYpY9fRVCm_PXdeViU6khHiJRw3ibPpcBHLakP-vlgWjaRnVBQ5sQbk5B001pSHzLD8jQoqAD2bt29meWrg--Q



data-original-width="781" height="102"

src="https://blogger.googleusercontent.com/img/a/AVvXsEirDjge9ShGBioZGIWU6UfsKjjabzxOPBiyCkeEqkaHgovUZvN_-N7YXxYOhSPpBcpSNRtMg6_cg2CEAy4psFMGNiD4ZABYs8P9ZJh4zYpY9fRVCm_PXdeViU6khHiJRw3ibPpcBHLakP-vlgWjaRnVBQ5sQbk5B001pSHzLD8jQoqAD2bt29meWrg--Q" width="320"/>

vertical-align: baseline;">Normally Close (NC) yaitu kondisi awal sebelum diaktifkan akan selalu berada di posisi CLOSE (tertutup)<li style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;">Normally Open (NO) yaitu kondisi awal sebelum diaktifkan akan selalu berada di posisi OPEN (terbuka)<p style="background-color: white; border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: inherit; margin: 0px 0px 1.25rem; padding: 0px; vertical-align: baseline;">Berdasarkan

gambar diatas, sebuah Besi (Iron Core) yang dililit oleh sebuah

kumparan Coil yang berfungsi untuk mengendalikan Besi tersebut.

Berdasarkan penggolongan jumlah Pole dan Throw-nya sebuah relay, maka

relay dapat digolongkan menjadi :

- <i style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;">Single Pole Single Throw (SPST)</i> : Relay golongan ini memiliki 4 Terminal, 2 Terminal untuk Saklar dan 2 Terminalnya lagi untuk Coil.<li style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"><i style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;">Single Pole Double Throw (SPDT)</i> : Relay golongan ini memiliki 5 Terminal, 3 Terminal untuk Saklar dan 2 Terminalnya lagi untuk Coil.<li style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"><i style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;">Double Pole Single Throw (DPST)</i> :

Relay golongan ini memiliki 6 Terminal, diantaranya 4 Terminal yang

terdiri dari 2 Pasang Terminal Saklar sedangkan 2 Terminal lainnya untuk

Coil. Relay DPST dapat dijadikan 2 Saklar yang dikendalikan oleh 1

Coil.

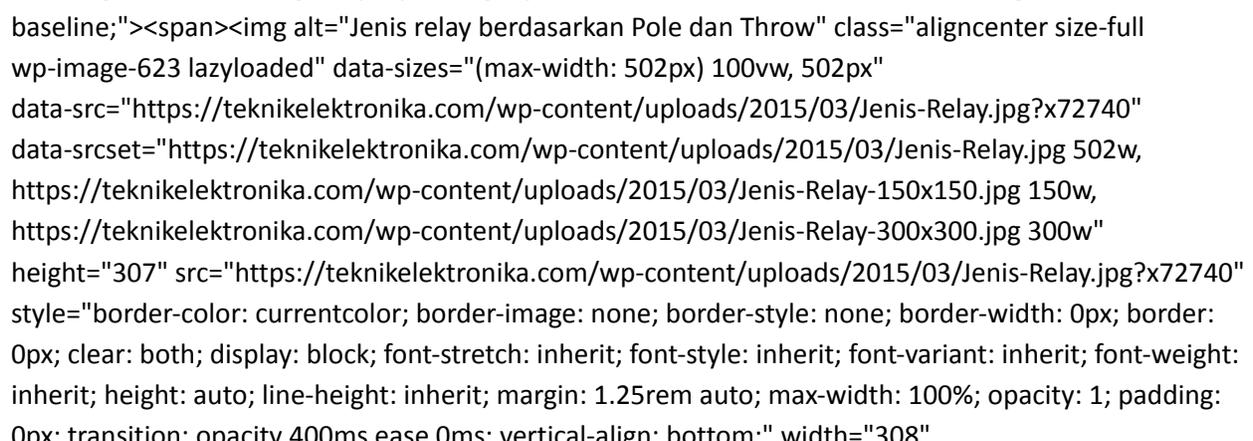
- <i style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;">Double Pole Double Throw (DPDT)</i> sp;

Relay golongan ini memiliki Terminal sebanyak 8 Terminal, diantaranya 6

Terminal yang merupakan 2 pasang Relay SPDT yang dikendalikan oleh 1

(single) Coil. Sedangkan 2 Terminal lainnya untuk Coil.

Untuk lebih jelas mengenai Penggolongan Relay berdasarkan Jumlah Pole dan Throw, silakan lihat gambar dibawah ini :

<https://teknikelektronika.com/wp-content/uploads/2015/03/Jenis-Relay.jpg?x72740>
A diagram showing different types of relays based on the number of poles and throws. The image is a placeholder for a visual representation of these relay configurations.

<p class="MsoListParagraph" style="margin-left: 0.5in;">
</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-indent: -0.25in;">K. sp; sp;

LED</p><p class="MsoListParagraph" style="margin-left: 0.5in; mso-list: l1 level1 lfo1; text-align: center; text-indent: -0.25in;">
</p><div><div style="text-align: justify;">Light

Emitting Diode atau sering disingkat dengan LED adalah komponen elektronika yang dapat memancarkan cahaya monokromatik ketika diberikan tegangan maju. LED merupakan keluarga Dioda yang terbuat dari bahan semikonduktor. Warna-warna Cahaya yang dipancarkan oleh LED tergantung pada jenis bahan semikonduktor yang dipergunakannya. LED juga dapat memancarkan sinar inframerah yang tidak tampak oleh mata seperti yang sering kita jumpai pada Remote Control TV ataupun Remote Control perangkat elektronik lainnya. Bentuk

LED mirip dengan sebuah bohlam (bola lampu) yang kecil dan dapat dipasang dengan mudah ke dalam berbagai perangkat elektronika. Berbeda dengan Lampu Pijar, LED tidak memerlukan pembakaran filamen sehingga tidak menimbulkan panas dalam menghasilkan cahaya. Oleh karena itu, saat ini LED (Light Emitting Diode) yang bentuknya kecil telah banyak digunakan sebagai lampu penerang dalam LCD TV yang mengganti lampu tube. LED hanya akan memancarkan cahaya apabila dialiri tegangan maju (bias forward) dari Anoda menuju ke Katoda. </div><div style="text-align: justify;">Keanekaragaman Warna pada LED tersebut tergantung pada wavelength (panjang gelombang) dan senyawa semikonduktor yang dipergunakannya. Berikut ini adalah Tabel Senyawa Semikonduktor yang digunakan untuk menghasilkan variasi warna

pada LED :</div></div><table style="border-bottom-color: initial; border-bottom-style: initial; border-collapse: collapse; border-image: initial; border-left-color: rgb(235, 235, 235); border-left-style: solid; border-left: 1px solid rgb(235, 235, 235); border-right-color: initial; border-right-style: initial; border-spacing: 0px; border-top-color: rgb(235, 235, 235); border-top-style: solid; border-top: 1px solid rgb(235, 235, 235); border-width: 1px 0px 0px 1px; color: black; font-stretch: inherit; font-variant-east-asian: inherit; font-variant-numeric: inherit; line-height: inherit; margin: 0px 0px 1.25rem; padding: 0px; vertical-align: baseline; width: 678px;"><tbody style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"><tr style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="301"><b style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;">Bahan Semikonduktor</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="96"><b style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;">Wavelength</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="102"><b style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;">Warna</td></tr><tr style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial;

border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="301">Gallium Arsenide (GaAs)</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="96">850-940nm</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="102">Infra Merah</td></tr><tr style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="301">Gallium Arsenide Phosphide (GaAsP)</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="96">630-660nm</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="102">Merah</td></tr><tr style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235);

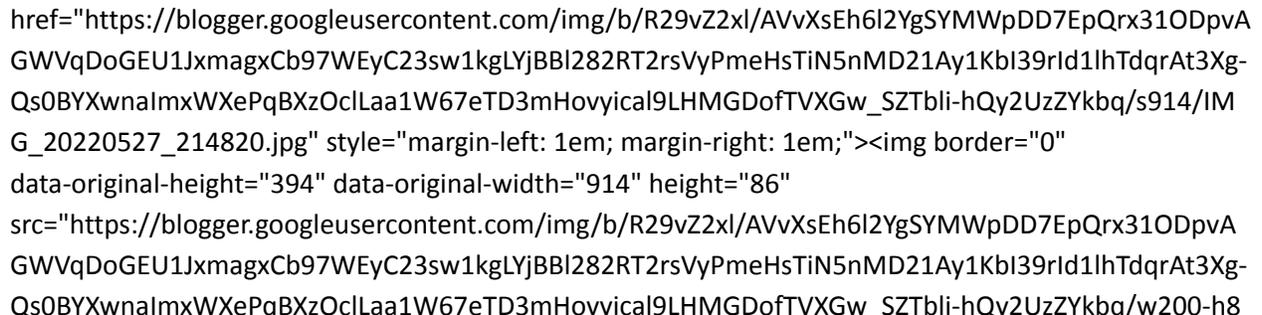
border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="301">Aluminium Gallium Phosphide (AlGaP)</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="96">550-570nm</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="102">Hijau</td></tr><tr style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="301">Silicon Carbide (SiC)</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="96">430-505nm</td><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="102">Biru</td></tr><tr style="border-color: currentcolor; border-image: none; border-style: none; border-width: 0px; border: 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; vertical-align: baseline;"><td style="border-bottom-color: rgb(235, 235, 235); border-bottom-style: solid; border-bottom: 1px solid rgb(235, 235, 235); border-image: initial; border-left-color: initial; border-left-style: initial; border-right-color: rgb(235, 235, 235); border-right-style: solid; border-right: 1px

solid rgb(235, 235, 235); border-top-color: initial; border-top-style: initial; border-width: 0px 1px 1px 0px; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 5px 10px; vertical-align: baseline;" width="301">Gallium Indium Nitride (GalN)

L.

Motor

DC



Motor DC adalah komponen elektronika yang akan berputar sesuai

dengan rotasi dan akan berputar jika adanya gaya medan magnet pada motor

Pada prinsipnya motor listrik DC menggunakan fenomena elektromagnet untuk bergerak, ketika arus listrik diberikan ke kumparan, permukaan kumparan yang bersifat utara akan bergerak menghadap ke magnet yang berkutub selatan dan kumparan yang bersifat selatan akan bergerak menghadap ke utara magnet. Saat ini, karena kutub utara kumparan bertemu dengan kutub selatan magnet ataupun kutub selatan kumparan bertemu dengan kutub utara magnet maka akan terjadi saling tarik menarik yang menyebabkan pergerakan kumparan berhenti



ekXdpFkE1JLDyz4V3ljqndt899Ha1BNkrU-2SURVBqN4jvcYuFXLQJIRxEXICKvT7oysGOAxKbkefw4lXKYV3YYqE2xacAUOUSAdp4PAy8QHujbyThpykmfJd7DnO9pjYY-Ea5AgNACwTP9_LAxHGLJTs5NXA5/s320/IMG_20220527_232006.jpg" width="320" /></div>

<p><p class="MsoListParagraph" style="margin-left: 0.5in;">Untuk menggerakannya lagi, tepat pada saat kutub kumparan berhadapan dengan kutub magnet, arah arus pada kumparan dibalik. Dengan demikian, kutub utara kumparan akan berubah menjadi kutub selatan dan kutub selatannya akan berubah menjadi kutub utara. Pada saat perubahan kutub tersebut terjadi, kutub selatan kumparan akan berhadapan dengan kutub selatan magnet dan kutub utara kumparan akan berhadapan dengan kutub utara magnet. Karena kutubnya sama, maka akan terjadi tolak menolak sehingga kumparan bergerak memutar hingga utara kumparan berhadapan dengan selatan magnet dan selatan kumparan berhadapan dengan utara magnet. Pada saat ini, arus yang mengalir ke kumparan dibalik lagi dan kumparan akan berputar lagi karena adanya perubahan kutub. Siklus ini akan berulang-ulang hingga arus listrik pada kumparan diputuskan</p><p class="MsoListParagraph" style="margin-left: 0.5in;">Dengan prinsip kerja di atas tentu tidak heran jika motor DC juga

disebut sebagai perangkat elektromekanis. Karena pada dasarnya perangkat

tersebut memang menggunakan medan magnet dan konduktor. Utamanya yakni dalam

proses menghasilkan energi mekanik atau gerak yang ada pada perangkat

elektronik tertentu</p><p class="MsoNormal" style="background: white none repeat scroll 0% 0%; line-height: normal; margin-left: 42.55pt; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; text-indent: -0.25in;">

times;">Karakteristik utama dari resistor adalah resistansinya daya listrik yang dapat dihantarkan. Karakteristik lain termasuk koefisien suhu derau listrik (<i>noise</i>), dan induktansi. Resistor dapat diintegrasikan kedalam sirkuit hibrida dan papan sirkuit cetak sirkuit terpadu.

Ukuran dan letak kaki bergantung pada desain sirkuit, kebutuhan daya resistor harus cukup dan disesuaikan dengan kebutuhan arus rangkaian

agar tidak terbakar.</p><p style="background-color: white; color: #202122; margin: 0.5em 0px;"></p><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;"><div style="background-color: white; box-sizing: border-box; color: #373b41; text-align: justify;">Sebagian besar resistor yang kamu lihat akan memiliki empat pita berwarna . Begini cara mereka membacanya :</div><div style="background-color: white; box-sizing: border-box; color: #373b41; text-align: justify;">1. Dua pita pertama menentukan nilai dari resistansi</div><div style="background-color: white; box-sizing: border-box; color: #373b41; text-align: justify;">2. Pita ketiga menentukan faktor pengali, yang akan memberikan nilai resistansi.</div><div style="background-color: white; box-sizing: border-box; color: #373b41; text-align: justify;"></div>

text-align: center;"><div class="separator" style="clear: both; text-align: center;"><div class="separator" style="clear: both; text-align: center;"></div></div></div></div><p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 51.06pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-align: left; text-indent: -21.3pt;"><!--[if !supportLists]--><b style="mso-bidi-font-weight: normal;"><i style="mso-bidi-font-style: normal;">c. prinsip kerja</i></p><p class="MsoNormal" style="background: white none repeat scroll 0% 0%; line-height: normal; margin-left: 21.3pt; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; vertical-align: baseline;">Pada saat Sensor soil masture

akan aktif pada saat tanah dalam keadaan basah. Dan rain sensor tidak aktif. Pada saat aktif sensor akan berlogika 1 dan akan masuk ke pada IC 7483 akan yang membuat pin A1 akan aktif yang dimana outputnya akan berlogika 0 pada s2 dan s1 akan berlogika 1 dan membuat A0 dan B0 akan berlogika berbeda yang dimana A0 akan berlogika 1 dan B0 yang akan berlogika 0 sehingga pada IC 7485 akan berlogika 1 pada pin QA>B sehingga akan mengaktifkan relay dan menghidupkan

motor untuk penyemprotan.</p><p class="MsoNormal" style="background: white none repeat scroll 0% 0%; line-height: normal; margin-left: 21.3pt; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; vertical-align: baseline;">Pada saat Sensor rain

aktif pada saat hujan Dan soil masture tidak aktif. Pada saat aktif sensor akan berlogika 1 dan akan masuk ke pada IC 7483 akan yang membuat pin A2 akan aktif yang dimana outputnya akan berlogika 1 pada s2 dan s1 akan berlogika 0 dan membuat A0 dan B0 akan berlogika berbeda yang dimana A0 akan berlogika 0 dan B0 yang

akan berlogika 1 sehingga pada IC 7485 akan berlogika 1 pada pin QA<B sehingga

akan mengaktifkan relay dan menhidupkan motor untuk membuka pintu

class="MsoNormal" style="background: white none repeat scroll 0% 0%; line-height: normal; margin-left: 21.3pt; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; vertical-align: baseline;">Pada saat Sensor rain aktif pada saat hujan Dan soil moisture aktif. Pada saat aktif kedua sensor akan berlogika

1 dan akan masuk ke pada IC 7483 akan yang membuat pin A2 dan A1 akan aktif

yang dimana outputnya akan berlogika 1 maka s2 dan s1 akan berlogika 1 sehingga

pada IC 7485 akan berlogika 1 pada pin QA=B sehingga akan mengaktifkan relay dan

menghidupkan motor untuk menutup pintu dan menyalakan lampu.

class="MsoListParagraphCxSpMiddle" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 51.06pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-align: left; text-indent: -21.3pt;">Pada saat Sensor infrared

aktif maka B1 akan berlogika 1 pada IC 7483 dan membuat output S1 berlogika 1

dan akan membuka gorden dan pada saat sensor pir mendeteksi maka gorden

menutup. Kemudian pada saat ingin mematikan system otomatis ruangan tinggal

menyentuh sensor touch

class="MsoListParagraphCxSpMiddle" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 51.06pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-align: left; text-indent: -21.3pt;"><b style="mso-bidi-font-weight: normal;"><i style="mso-bidi-font-style: normal;"> </i></p><p class="MsoListParagraphCxSpMiddle" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 51.06pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-align: left; text-indent: -21.3pt;"><b style="mso-bidi-font-weight: normal;"><i style="mso-bidi-font-style: normal;"> </i></p><p class="MsoListParagraphCxSpMiddle" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 51.06pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-align: left; text-indent: -21.3pt;"><b style="mso-bidi-font-weight: normal;"><i style="mso-bidi-font-style: normal;">d. Video simulasi </p><p class="MsoListParagraphCxSpMiddle" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 21.3pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-indent:

menyentuh sensor touch

class="MsoListParagraphCxSpMiddle" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 51.06pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-align: left; text-indent: -21.3pt;"><b style="mso-bidi-font-weight: normal;"><i style="mso-bidi-font-style: normal;"> </i></p><p class="MsoListParagraphCxSpMiddle" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 51.06pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-align: left; text-indent: -21.3pt;"><b style="mso-bidi-font-weight: normal;"><i style="mso-bidi-font-style: normal;">d. Video simulasi </p><p class="MsoListParagraphCxSpMiddle" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 21.3pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-indent:

menyentuh sensor touch

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menyentuh sensor touch

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-21.3pt;"><b style="mso-bidi-font-weight: normal;"><i style="mso-bidi-font-style: normal;">
</i></p><p></p>

<p class="MsoListParagraphCxSpLast" style="line-height: normal; margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm 51.06pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-align: left; text-indent: -21.3pt;"><!--[if !supportLists]--><b style="mso-bidi-font-weight: normal;"><i style="mso-bidi-font-style: normal;">e. File download
<o:p></o:p></i></p>
<div style="text-align: justify;"><ul style="text-align: left;">Download HMTL sp;klik disini<li style="text-align: left;">Download Gambar Rangkaian klik disini<li style="text-align: left;">Download Video Simulasi klik disini<li style="text-align: left;">Download Library Sensor Infared klik disini<li style="text-align: left;">Download Library Sensor PIR klik disini <li style="text-align: left;">Download Library Sensor Rainklik disini<li style="text-align: left;">Download Datasheet Sensor Infared klik disini<li style="text-align: left;">Download Datasheet Sensor PIR klik disini<li style="text-align: left;">Download Datasheet Sensor Touch klik disini<li style="text-align: left;">Download Datasheet Resistor klik disini<li style="text-align: left;">Download Datasheet Transistor NPN klik disini<li style="text-align: left;">Download Datasheet OPAMP klik disini<li style="text-align: left;">Download Datasheet LED klik disini<li style="text-align: left;">Download Datasheet Motor DC klik disini<li style="text-align: left;">Download Datasheet Relay klik disini<li style="text-align: left;">Download Datasheet Baterai <a

href="https://drive.google.com/uc?export=download&id=1RNESFbgt_bcO3wA3udA2Z9i7J1Ax324Z
>klik disini</div><p class="MsoListParagraphCxSpLast" style="line-height: normal;
margin-bottom: 0cm; margin-left: 21.3pt; margin-right: 0cm; margin-top: 0cm; margin: 0cm 0cm 0cm
21.3pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-indent: -21.3pt;"><span style="color: #333333;
font-family: times;"><br
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21.3pt; mso-add-space: auto; mso-list: l2 level1 lfo1; text-indent: -21.3pt;"><span style="color: #333333;
font-family: times;"><br
</p>

[menuju awal]</div></div><div class="separator" style="clear: both;
text-align: center;">
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