

*Note that the yellow parts are TBD with OptoFab, the parts in 【】 are for the developers to refine.

SPDT

Supplier type module (【Please select】,【ANFF supplied - full custom】 , Customer supplied)

Material module 【Same as before except: change AnSe to ZnSe, add Vespel, Nylon, Delrin and PTFE】

Geometry module 【(require Dimension Accuracy)】

delete chamfers for all kinds of geometry

Side(n):

- Description of face
- Surface Form module (require Form accuracy)

Curvature:

If **Parabolic:**

Turning angle(degrees): **Focal length(mm):** doubles

If **Spherical:**

Radius of curvature(mm): double

【If ANFF supplied - full custom:

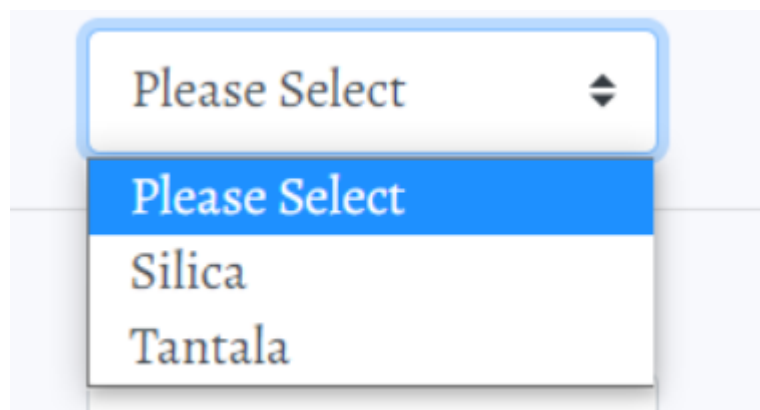
As Customer supplied

Plus:

Form accuracy(nm): +- double and compulsory】

- Add Coating button(call coating module) (Default to Transmission/Reflection)

Coating specification method: Index/thickness



【Index/Thickness - Material: 】

【Transmission and Reflection - Add a dropdown box at the end of the line with 3 options: ppm, %, dB】

Special Instructions

Quantity】

Optical coating

Supplier type module (**ANFF supplied - stock**, ANFF supplied, customer supplied)

If not stock:

- **Material module**
- Material properties module

【

Reactivity:

Add options: Reactive / Inert

Add options

Chemical compatibility for cleaning: ☐ Yes ☐ No

Add text: **Please tell us if any of the parts react with liquinox brand detergent, di water, acetone, isopropanol alcohol, ethanol, methanol, citranox, ultrasonic agitation. If you wish to have the substrate cleaned with a special regimen, please add full details to special requirements.**

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【MTA – change to 3 radio buttons: **Download Standard MTA**, **Upload Custom MTA**, **To Be Agreed**】

- Geometry module (**if ANFF supplied- full custom, add Dimension Accuracy**)

Side(n):

- Description of face
- Coating module(default to Transmission/Reflection)
- If not stock: Surface Form module 【If ANFF supplied - full custom:
Add: **Form accuracy(nm): +- double and compulsory**】

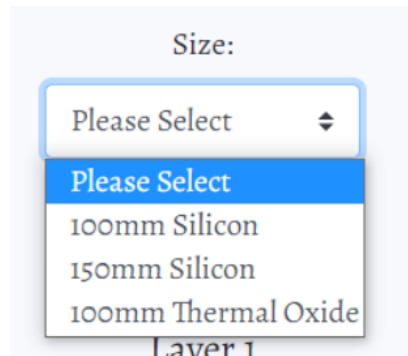
Special Instructions

Quantity

Photonic coating

Supplier type module (ANFF supplied **[-]**stock, ANFF supplied, customer supplied) (default as ANFF stock)

【Stock size:



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If not stock:

- Material module
- Material properties module **【same changes as before】**
- Geometry module (if ANFF supplied, add Dimension Accuracy) **【same changes as before】**

【Show the following parts as default:

Side(n):

- Description of face
- Coating module(Default as Index/thickness)
- If not stock: Surface Form module (if ANFF supplied, add Form Accuracy, compulsory)

Special Instructions

Quantity**】**

Further steps:

Top priority:

1. Track, Modify, Feedback - Henry
2. SPDT Formula - Henry
3. Add another part button - raymond
4. Customer information page - raymond

5. **SPDT/OPTIC/PHOTONIC** - Geometry=Polygon - add a field called 'Number of Sides' -Henry
6. **SPDT/OPTIC/PHOTONIC** - Geometry=Polygon - there should be a dropdown box with the options 'Polygonal face' and 'Extruded face' under 'Description of face' -Henry
7. Instead of chamfer x,y it will be "Chamfer Width (mm)". It will need the following explanatory text:

"Chamfers are assumed to be 45 degrees to the coated or turned face. If other chamfer types are required, please stipulate in the 'Additional Specifications' field."

-Henry

8. Add CAPTCHA - raymond
9. Limit the upload file types - Henry
Geometry: .dxf .stp .stl
Curvature: .spd .zmx .stp
Special instructions: .pdf .png
Documents: .pdf .png
10. Remove the last component (Layer, Spec, Coating, Side...) - raymond
11. Should at least have 1 spec!! - Raymond
12. Optical - Stock - Material dropdown options
(ø12.7mm x 4mm DSP UVFS
ø25.4mm x 6mm DSP UVFS
ø50.8mm x 8mm DSP UVFS) -raymond
13. Optical - not Stock - Material dropdown options (everything in SPDT plus silica) -raymond
14. **OPTIC/PHOTONIC** - Add explanatory text next to Dimensional Accuracy text box:
"Our standard tolerances on substrates are as follows. If different tolerances are required, let us know in the 'Tolerances' field below.
Optical substrates:
Diameter/Face Dimensions: $\pm 0.15\text{mm}$
Thickness: $\pm 0.15\text{mm}$
Wafers:
Diameter: $\pm 0.1\text{mm}$
Thickness: $\pm 25\mu\text{m}$ "
15. Photonic - Stock - Material dropdown options
(Silicon (P-type, <100>) ø100mm x 525µm
5µm TOx on Silicon (P-type, <100>) ø100mm x 525µm
Silicon (P-type, <100>) ø150mm x 675µm) - henry
16. Photonic - not Stock - Material dropdown options (only Other option, default)
"Please describe substrate and all existing layers in special instructions." -henry
17. **Curvature:**

If **Parabolic**:

Turning angle(degrees): **Focal length(mm):** doubles

If **Spherical**:

Radius of curvature(mm): double

18. Compulsory fields and other changes :

https://docs.google.com/document/d/1oUez2r_LzQgDHe2GK7fmn5mw2mV-qYmSr2Vx3SXG72l/edit?usp=sharing

19. Compulsory stars moving

20. Add Martin to admin list of website

If time allows us:

21. HTTP to HTTPS