

NOTES:

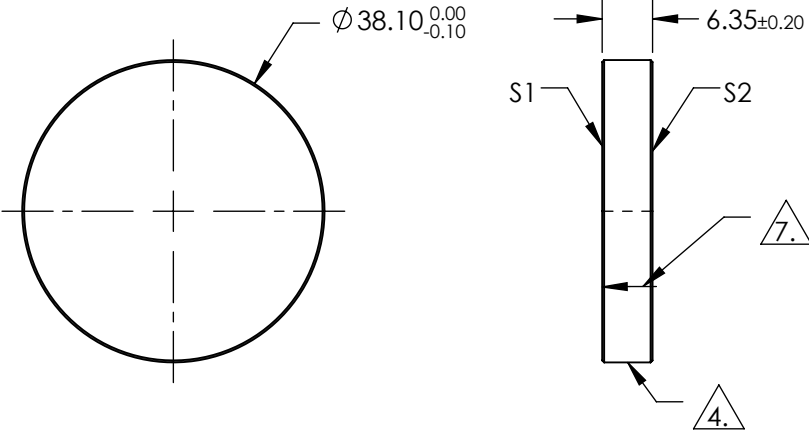
1. SUBSTRATE  
FUSED SILICA
2. SURFACE S2 TO BE PARALLEL TO SURFACE S1 TO WITHIN <3 ARCMIN
3. COATING (APPLY ACROSS COATING APERTURE):

S1: 515 HR Coating  
R (ABS) > 99.80% @ 515nm @ 45° AOI  
R (AVG) > 99.5% @ 509 - 520nm @ 45° AOI

DAMAGE THRESHOLD,  
PULSED: 15 J/cm², 20ns, 20Hz @ 515nm  
CW: 1MW/cm² @ 515nm

S2: NONE

4. FINE GRIND SURFACE
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. CLEAR APERTURE AND COATING APERTURE ARE CENTERED ON SURFACES
7. APPLY ARROW ON EDGE WITH LASER ETCH, PENCIL, OR PERMANENT INK POINTING TOWARDS SURFACE S1



**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

|                      | S1                   | S2                   |                                                                                                                                                                                                                                                                                              |  |  |  |
|----------------------|----------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| SHAPE                | PLANO                | PLANO                | <div><div>THIRD ANGLE<br/>PROJECTION</div><div></div></div> <div><div>ALL DIMS IN</div><div>mm</div></div> <div><div>TITLE</div><div>Ø38.1mm x 6.35mm,515nm, Yb:YAG MIRROR<br/>45° AOI</div></div> <div><div>DWG NO</div><div>38876</div></div> <div><div>SHEET</div><div>1 OF 1</div></div> |  |  |  |
| SURFACE QUALITY      | 10-5                 | COMMERCIAL POLISH    |                                                                                                                                                                                                                                                                                              |  |  |  |
| SURFACE FLATNESS     | 0.10 WAVE            | N/A                  |                                                                                                                                                                                                                                                                                              |  |  |  |
| MIN CLEAR APERTURE   | Ø34.29               | N/A                  |                                                                                                                                                                                                                                                                                              |  |  |  |
| MIN COATING APERTURE | Ø34.29               | N/A                  |                                                                                                                                                                                                                                                                                              |  |  |  |
| BEVEL                | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |                                                                                                                                                                                                                                                                                              |  |  |  |

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