

NOTES:

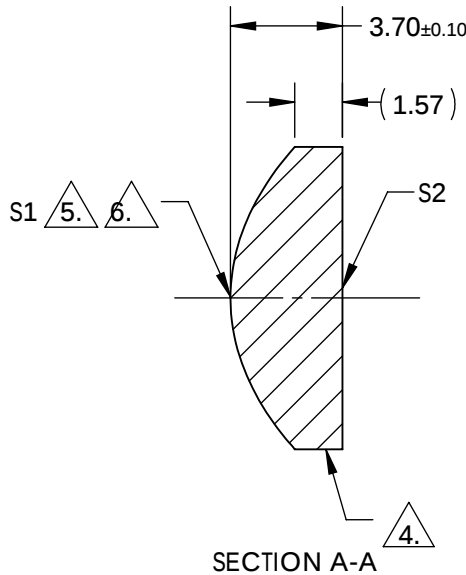
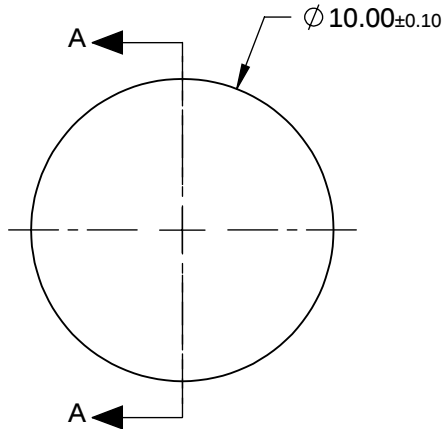
1. SUBSTRATE:  
S-LAH64
2. CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <3 ARCMIN
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: SWIR (900-1700nm)  
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI  
Rabs < 1% @ 900 - 1700nm @ ±30° AOI  
S2: SWIR (900-1700nm)  
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI  
Rabs < 1% @ 900 - 1700nm @ ±30° AOI

4. EDGES: FINE GROUND

5. ASPHERIC FIGURE ERROR: 0.75 µm RMS

6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

$$Z_{ASPH}(Y) = \frac{(\frac{1}{RADIUS}) * Y^2}{1 + \sqrt{1 - (1+k) * (\frac{1}{RADIUS})^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$



| COEFFIECIENT TABLE 5. |               |
|-----------------------|---------------|
| COEFFIECIENT          | S1            |
| SEMI-DIAMETER         | 5.000000E+00  |
| (1/RADIUS)            | 1.609011E-01  |
| k                     | -9.930000E-01 |
| D                     | 0.000000E+00  |
| E                     | 1.932900E-04  |
| F                     | -1.552500E-07 |
| G                     | -1.140000E-08 |
| H                     | -1.022900E-10 |
| J                     | 1.394500E-12  |
| L                     | 0.000000E+00  |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

|                 | S1                   | S2                   |                                                          |    |        |        |
|-----------------|----------------------|----------------------|----------------------------------------------------------|----|--------|--------|
| SHAPE           | CONVEX               | PLANO                | BFL @ 780nm:                                             |    |        |        |
| RADIUS          | 6.215                | INFINITY             |                                                          |    |        |        |
| SURFACE QUALITY | 40-20                | 40-20                |                                                          |    |        |        |
| CLEAR APERTURE  | 9 mm                 | 9 mm                 | TITLE                                                    |    |        |        |
| BEVEL           | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED | 10mm Dia., 0.63 NA, 900-1700nm Coated, NIR Aspheric Lens |    |        |        |
|                 |                      |                      | ALL DIMS IN                                              | mm | DWG NO | SHEET  |
|                 |                      |                      | 16290                                                    |    |        | 1 OF 1 |

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