

NOTES:

1. SUBSTRATE:
FUSED SILICA

2. COATING (APPLY ACROSS CLEAR APERTURE)

S1&S2: Rabs <0.25% @ 1064nm @ 0° AOI

DAMAGE THRESHOLD, PULSED:

15 J/cm2 @ 1064nm, 20ns, 20Hz

3. FINE GRIND SURFACE

4. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS
SHOWN IN TABLE BELOW

$$Z(Y) = \frac{\left(\frac{1}{\text{RADIUS}}\right) * Y^2}{1 + \sqrt{1 - (1+k) * \left(\frac{1}{\text{RADIUS}}\right)^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14} + M * Y^{16}$$

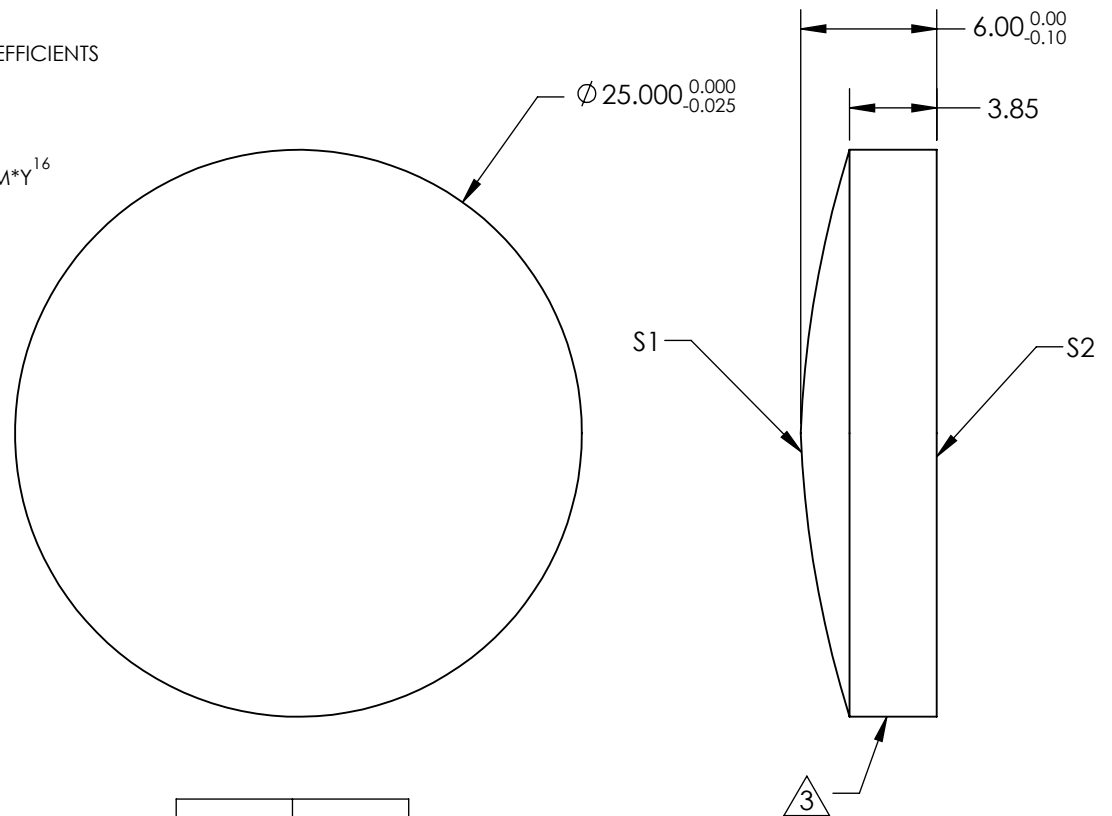
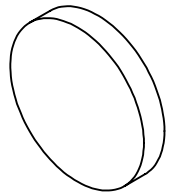
5. CENTERING: <2.5 ARCMIN

6. RoHS: COMPLIANT

7. ASPHERE FIGURE ERROR @ 632.8nm: λ/2 RMS and 2.5λ PV

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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY



COEFFICIENT TABLE	
COEFFICIENT	S1
RADIUS	47.609
k	-6.700000E-01
D	0.000000E+00
E	1.077002E-07
F	8.025887E-12
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00
M	0.000000E+00

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	47.609	INFINITY
SURFACE QUALITY	20-10	20-10
CLEAR APERTURE	Ø 22.50	Ø 22.50
BEVEL	PROTECTED AS NEEDED	PROTECTED AS NEEDED

EFL @ 355nm	100
BFL @ 355nm	96.3
THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

Edmund Optics®

25mm Dia. x 100mm EFL, 1064nm V-Coat,
Precision Laser Asphere

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