

NOTES:

1. ALLOWABLE OPTICAL MATERIAL:

SCHOTT: N-SF5 673/323

2. CENTERING TOLERANCE (AT 587.6nm):
IMAGE RUNOUT: 0.1mm

3. COATING (APPLY ACROSS CLEAR APERTURE)

S1 & S2: 1/4 Wave MgF2@550nm
R(avg) ≤1.5% FROM 400-700nm (BK7)

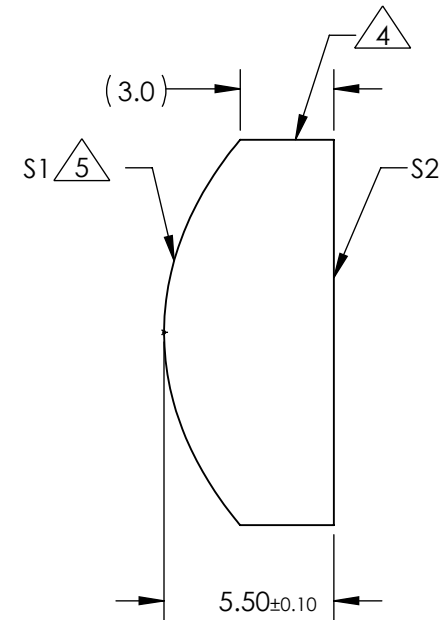
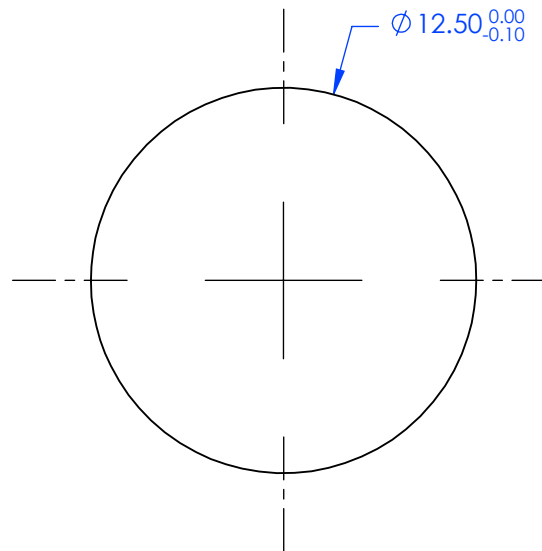
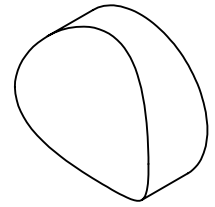
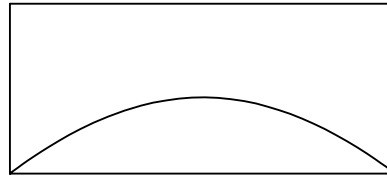
4. FINE GRIND SURFACE

5. ASPHERIC SURFACE:

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

C = -0.11892
k = -1.001478
D = 0
E = -8.9984572E-05
F = -1.420161E-07
G = 9.5839342E-10
H = 0
J = 0
L = 0

SURFACE ACCURACY: ≤ 1 μm RMS



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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL (AT 587.6nm)	12.5	 Edmund Optics®	
SHAPE	CONVEX	PLANO				
RADIUS	8.409±0.100 	INFINITY	BFL (AT 587.6nm)	9.2	TITLE	12.5mm Dia x 12.5mm FL Acylinder Lens, MgF2 Coating
SURFACE QUALITY	60 - 40	60 - 40	ALL DIMS IN	mm	DWG NO	86035
CLEAR APERTURE	Ø 11.25	Ø 11.25				
BEVEL MAX FACE	0.25 x 45°	0.25 x 45°				SHEET 1 OF 1