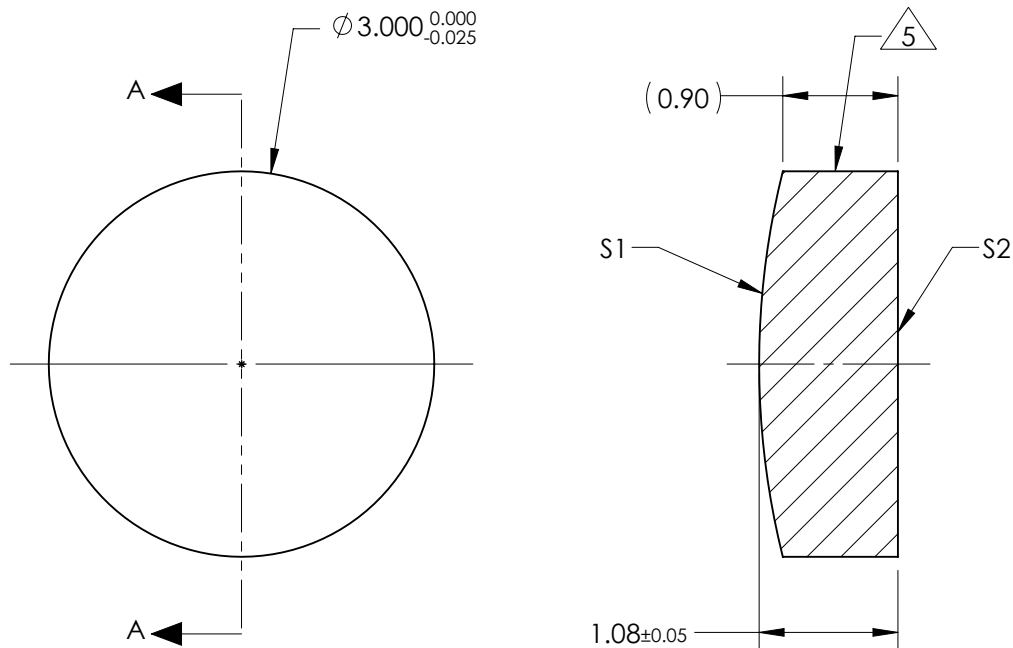


NOTES:

1. SUBSTRATE:  
GRADE A FINE ANNEALED  
SCHOTT: N-BK7 517/642
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)  
  
S1 & S2: TELECOM-NIR  
R(ABS) ≤ 0.25% FROM 1295-1325nm @ 0° AOI  
R(ABS) ≤ 0.25% FROM 1535-1565nm @ 0° AOI  
R(AVG) ≤ 0.25% FROM 1200-1600nm @ 0° AOI
5. FINE GRIND SURFACE
6. POWER, IRREGULARITY, AND SURFACE QUALITY  
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
7. FOCAL LENGTH (EFL): 12.00mm±1%  
BACK FOCAL LENGTH (BFL): 11.29mm
8. PROTECTIVE BEVEL AS NEEDED
9. DESIGN WAVELENGTH: 587.6nm



SECTION A-A

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

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	6.20	INFINITY
SURFACE QUALITY	20 - 10	20 - 10
MIN CLEAR APERTURE	Ø 2.50	Ø 2.50
MIN COATING APERTURE	Ø 2.50	Ø 2.50
POWER AT 632.8nm	3.00 RINGS	3.00 RINGS
IRREGULARITY AT 632.8nm	0.50 RINGS	0.50 RINGS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

**EO**® **Edmund Optics**®



THIRD ANGLE  
PROJECTION

ALL DIMS IN

mm

TITLE

3.0mm Dia. x 12mm FL, Telecom-NIR  
Coated, Plano-Convex Lens

DWG NO

45979

SHEET  
1 OF 1