

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: VIS-NIR
R(ABS) ≤ 0.25% AT 880nm @ 0° AOI
R(AVG) ≤ 1.25% FROM 400-870nm @ 0° AOI
R(AVG) ≤ 1.25% FROM 890-1000nm @ 0° AOI

△5. FINE GRIND SURFACE

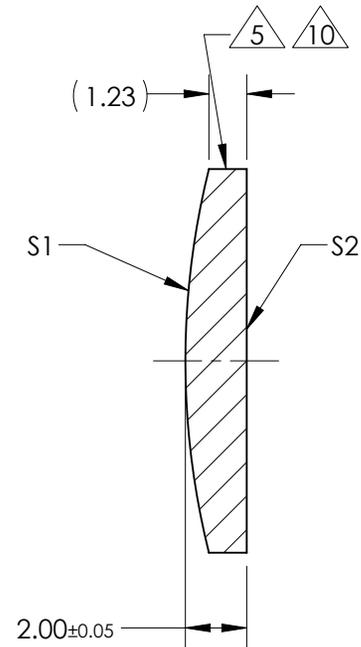
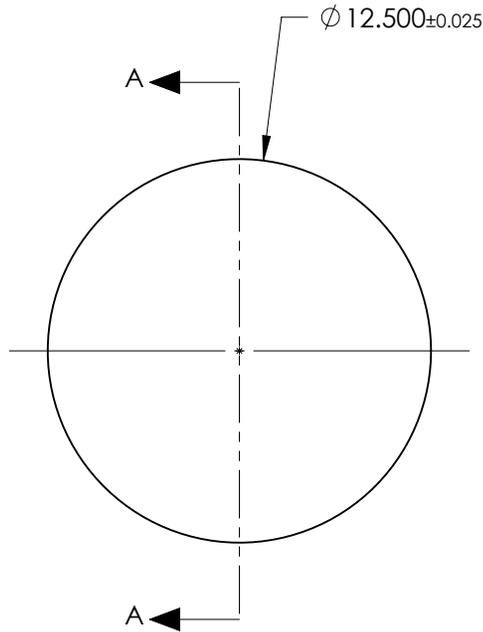
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 50.00mm ±1%
BACK FOCAL LENGTH (BFL): 48.68mm

8. PROTECTIVE BEVEL AS NEEDED

9. DESIGN WAVELENGTH: 587.6nm

△10. BLACKENED SURFACE



SECTION A-A

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

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	25.84	INFINITY
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	$\phi 11.50$	$\phi 11.50$
MIN COATING APERTURE	$\phi 11.50$	$\phi 11.50$
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		TITLE	12.5mm Dia. x 50.0mm FL, VIS-NIR, Inked, Plano-Convex Lens
ALL DIMS IN	mm	DWG NO	38509INK
			SHEET 1 OF 1