

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: YAG-BBAR  
R(ABS) < 0.25% @ 532nm @ 0° AOI  
R(ABS) < 0.25% @ 1064nm @ 0° AOI  
R(AVG) < 1.0% FROM 500-1100nm @ 0° AOI

△5. FINE GRIND SURFACE

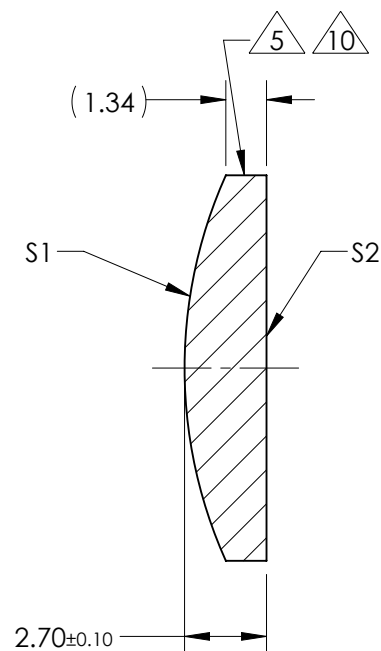
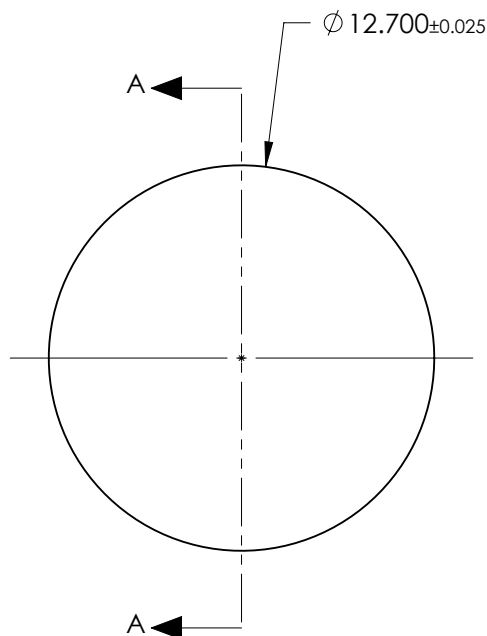
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 30.00mm ±1%  
BACK FOCAL LENGTH (BFL): 28.22mm

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	15.51	INFINITY
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 11.70	Ø 11.70
MIN COATING APERTURE	Ø 11.70	Ø 11.70
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**®



ALL DIMS IN mm

TITLE 12.7mm Dia. x 30.0mm FL, YAG-BBAR, Inked, Plano-Convex Lens

DWG NO 38595INK

SHEET 1 OF 1