

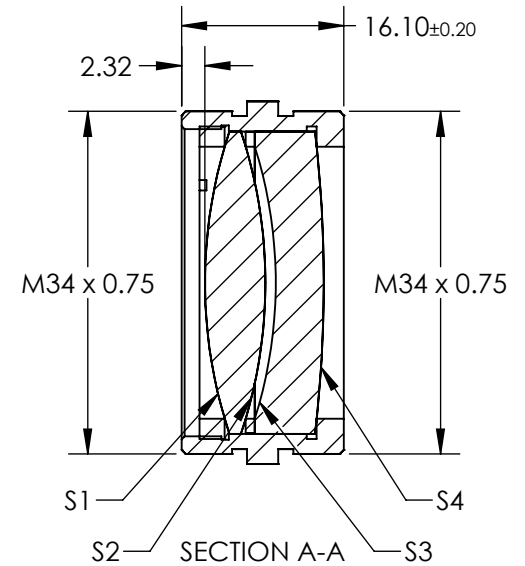
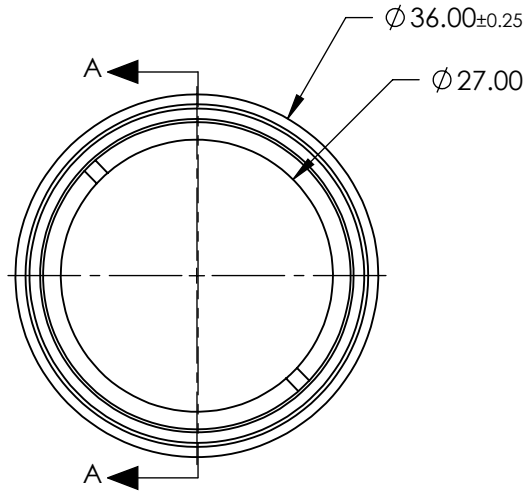
NOTES:

- SUBSTRATE:
ELEMENT A: N-SK5

ELEMENT B: N-SF57
- CONSTRUCTION: ANODIZED ALUMINUM HOUSING
- CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION HALF ANGLE: <0.5 ARCMIN
- COATING (APPLY ACROSS COATING APERTURE)

S1, S2, S3 & S4: DUAL V-COAT (632.8nm & 1064nm)
R (ABS) < 0.5% @1030nm to 1090nm
R (ABS) < 1% @ 632.8nm

TYPICAL DAMAGE THRESHOLD,
PULSED: 10 J/cm² @ 10ns, 20 Hz, 1064nm
- POWER, IRREGULARITY, AND SURFACE QUALITY
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
- DESIGN WAVELENGTH: 632.8nm, 1064nm
- FOCAL LENGTH (EFL): 80.00mm
- ROHS COMPLIANT



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

	ELEMENT A		ELEMENT B	
	S1	S2	S3	S4
SHAPE	CONVEX	CONVEX	CONCAVE	CONVEX
RADIUS	47.558	47.558	44.815	131.911
SURFACE QUALITY	20-10	20-10	20-10	20-10
MIN CLEAR APERTURE	$\phi 27.00$	$\phi 27.00$	$\phi 27.00$	$\phi 27.00$
MIN COATING APERTURE	$\phi 27.00$	$\phi 27.00$	$\phi 27.00$	$\phi 27.00$
POWER AT 632.8nm	3.00 WAVES	3.00 WAVES	3.00 WAVES	3.00 WAVES
IRREGULARITY AT 632.8nm	0.50 WAVES	0.50 WAVES	0.50 WAVES	0.50 WAVES

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

Edmund Optics®

THIRD ANGLE PROJECTION		TITLE	80mm EFL, Nd:YAG AIR-SPACED FOCUSING DOUBLET	
		DWG NO	12163	SHEET 1 OF 1