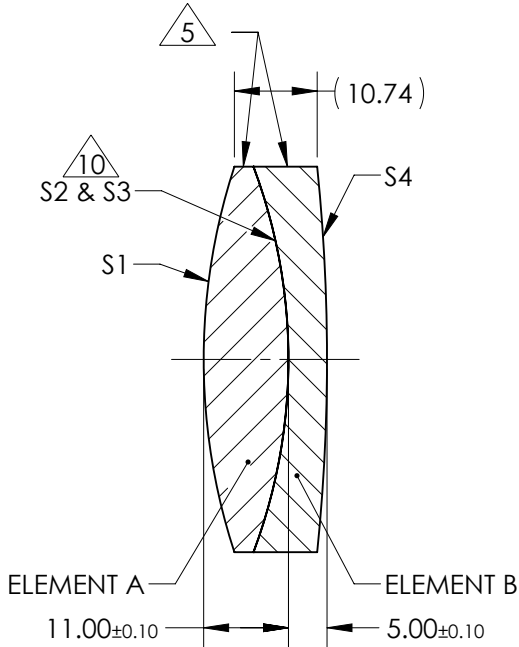
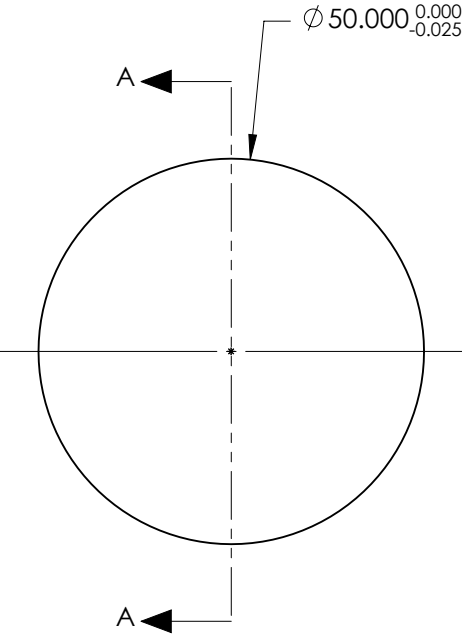


NOTES:

- SUBSTRATE:
ELEMENT A: GRADE A FINE ANNEALED
SCHOTT: N-FK5 487/704

ELEMENT B: GRADE A FINE ANNEALED
SCHOTT: F2HT 620/364
- ROHS COMPLIANT
- CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
- COATING (APPLY ACROSS COATING APERTURE)
S1 & S4: UV-VIS
R(AVG) ≤ 1.5% FROM 250-700nm @ 0° AOI
R(ABS) ≤ 1.0% FROM 350-450nm @ 0° AOI
S2 & S3: NONE
- FINE GRIND SURFACE
- POWER, IRREGULARITY, AND SURFACE QUALITY
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
- FOCAL LENGTH (EFL): 150.00mm ±2%
BACK FOCAL LENGTH (BFL): 141.28mm
- PROTECTIVE BEVEL AS NEEDED
- DESIGN WAVELENGTH: 405nm
- ELEMENTS TO BE CEMENTED WITH DENKA OP-1030K OR EQUIVALENT



SECTION A-A

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

ELEMENT TITLE	SPECIFICATIONS AFTER CEMENTING			
	ELEMENT A		ELEMENT B	
SURFACE	S1	S2	S3	S4
SHAPE	CONVEX	CONVEX	CONCAVE	CONVEX
RADIUS	80.42	71.10	71.10	245.23
SURFACE QUALITY	40 - 20	40 - 20	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 49.00	Ø 49.00	Ø 49.00	Ø 49.00
MIN COATING APERTURE	Ø 49.00	N/A	N/A	Ø 49.00
POWER AT 632.8nm	3.00 RINGS	3.00 RINGS	3.00 RINGS	3.00 RINGS
IRREGULARITY AT 632.8nm	0.50 RINGS	0.50 RINGS	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	50mm Dia x 150mm FL, UV-VIS Coated, Near UV Achromatic Lens		
DWG NO	35996		SHEET 1 OF 1