



NOTES/SPECIFICATIONS:

1. MATERIAL: CORNING FUSED SILICA, SUBSTRATE GRADE, 2G OR EQUIVALENT PER MIL-G-174B
Nd: 1.458 ± 0.001 Vd: $67.821 \pm 1.0\%$
2. MANUFACTURE PER MIL-PRF-13830B EXCEPT
MINIMUM ILLUMINATION SHALL BE 100 WATT BULB
MINIMUM MAGNIFICATION SHALL BE 6X
3. CHAMFER EDGES TO $0.25 \times 0.25 +0.25/-0.05$
4. CLEAR APERTURE: $> \varnothing 45.7$ mm
5. SURFACE QUALITY (S1): 10-5 SCRATCH-DIG
6. SURFACE FLATNESS (S1): $< \lambda/10$ AT 633nm
(S2): UNIFORM FINE GRIND #12-20 GRIT
7. PARALLELISM: $< 3 \text{ arcmin}$
8. NO DEFECTS $> \varnothing 0.3$ mm OUTSIDE CLEAR APERTURE
9. EACH LOT OF OPTICS PRODUCED REQUIRES TEST DATA
VERIFYING COMPLIANCE TO SPECIFICATIONS.

DRAWING PROJECTION							
	NAME	DATE	D50.8 mm Fused Silica Blank Polish				
DRAWN	CWD	2022/5/18	BEM4508-1				
APPROVAL	ZSE	2022/5/18	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			SEE NOTE		1 : 1	A	