



NOTES/SPECIFICATIONS:

1. MATERIAL: CORNING FUSED SILICA, PER MIL-G-174B
2. MANUFACTURE PER MIL-PRF-13830B EXCEPT
MINIMUM ILLUMINATION SHALL BE 100 WATT BULB
MINIMUM MAGNIFICATION SHALL BE 6X
3. CHAMFER 0.10 TO 0.25mm AT 45° ALL SHARP EDGE
4. CLEAR APERTURE: >80% OF DIAMETER
5. SURFACE FLATNESS(S1): BETTER THAN $\lambda/10$ @ 632.8nm, OVER
CLEAR APERTURE
6. SURFACE QUALITY(S1): 10-5 SCRATCH DIG
7. COSMETIC (S1): NO STAINING, HAZE, OR RESIDUAL POLISH
COMPOUND VISIBLE WHEN INSPECTED WITH A HIGH
BRIGHTNESS LIGHT AT AN ANGLE SUCH AS A PELICAN 1920
FLASHLIGHT OR THORLABS OSL2 HIGH BRIGHTNESS
ILLUMINATOR AT A SOURCE DISTANCE OF LESS THAN 2 cm
8. NO CHIPS ALLOWED
9. SURFACE FLATNESS(S2): BETTER THAN $\lambda/2$ @ 632.8nm, OVER
CLEAR APERTURE
10. SURFACE QUALITY(S2): 40-20 SCRATCH DIG
11. PARALLELISM: < 3arcmin

DRAWING PROJECTION						
	NAME	DATE	D25.4mm, UVFS Substrate, Blank, Polished			
DRAWN	CWD	2022/5/18	WG4254-9.5-1			
APPROVAL	ZSE	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			SEE NOTES		2:1	A