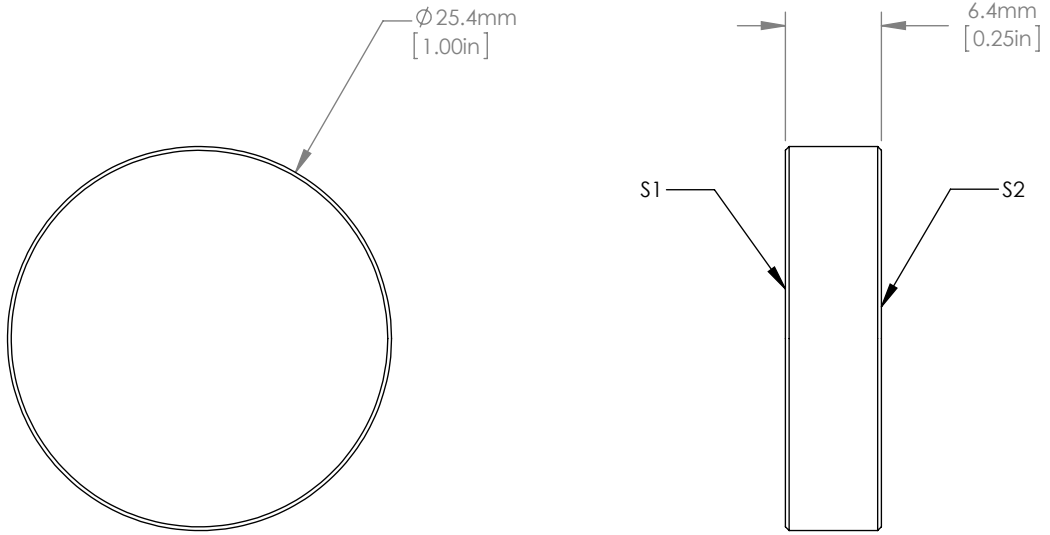




NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 400nm AND 800nm
2. CLEAR APERTURE: 90% OF DIAMETER
3. DIAMETER TOLERANCE: +0.0mm/-0.2mm
4. THICKNESS TOLERANCE: ±0.2mm
5. SURFACE FLATNESS: λ/10 OVER CLEAR APERTURE
6. SURFACE QUALITY: 10-5 SCRATCH DIG
7. SUFACE (S2) FINE GROUND
8. PARALLELISM: ±1 ARCMIN

9. COATING:(S1)
   MIRRORS WILL BE USED WITH ULTRA FAST PULSES RANGING IN DURATION FROM 50-150 FSEC.
   COATING IS DESIGNED TO MINIMIZE GROUP VELOCITY DISPERSION.
   REFLECTANCE @ 400nm ± 5nm, 45° ANGLE OF INCIDENCE: S POLARIZATION > 99%
   REFLECTANCE @ 400nm ± 5nm, 45° ANGLE OF INCIDENCE: P POLARIZATION > 98%
   REFLECTANCE @ 800nm ± 5nm, 45° ANGLE OF INCIDENCE: S POLARIZATION > 99%
   REFLECTANCE @ 800nm ± 5nm, 45° ANGLE OF INCIDENCE: P POLARIZATION > 98%

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	SS	18/AUG/11
APPROVAL	MG	18/AUG/11

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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

THORLABS
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ULTRA FAST MIRROR
400nm AND 800nm

MATERIAL	REV
N-BK7	B

ITEM #	APPROX WEIGHT
UFM10R	0.01kg