

NOTES:

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

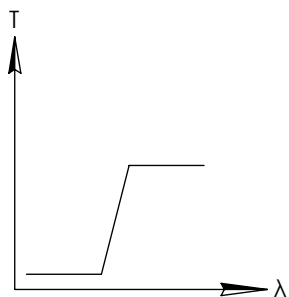
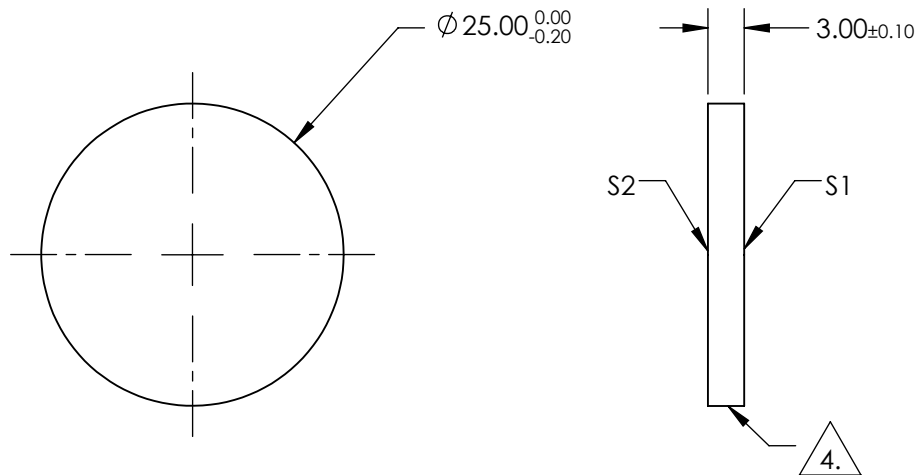
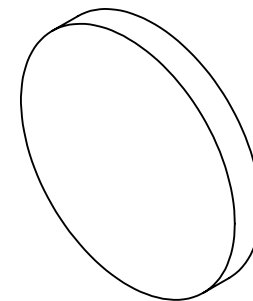
1. SUBSTRATE: UV FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

S1: HARD DIELECTRIC SPUTTERED  
 T(avg): ≥91% FROM 840 - 1650nm @ 0° AOI  
 T(avg): ≤0.01% FROM 200 - 805nm @ 0° AOI  
 T(abs): =50% FOR 825±8.25nm @ 0° AOI

S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION, RMS: ≤λ/4 @ 633nm
7. ROHS COMPLIANT



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
 DIMENSIONS ARE FOR REFERENCE ONLY



	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION

ALL DIMS IN mm

TITLE	Ø25mm, 825nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	86070	SHEET	1 OF 1