

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

NOTES:

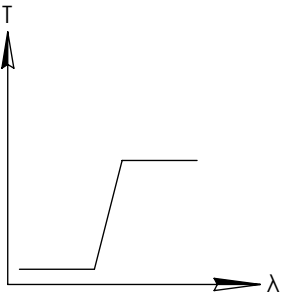
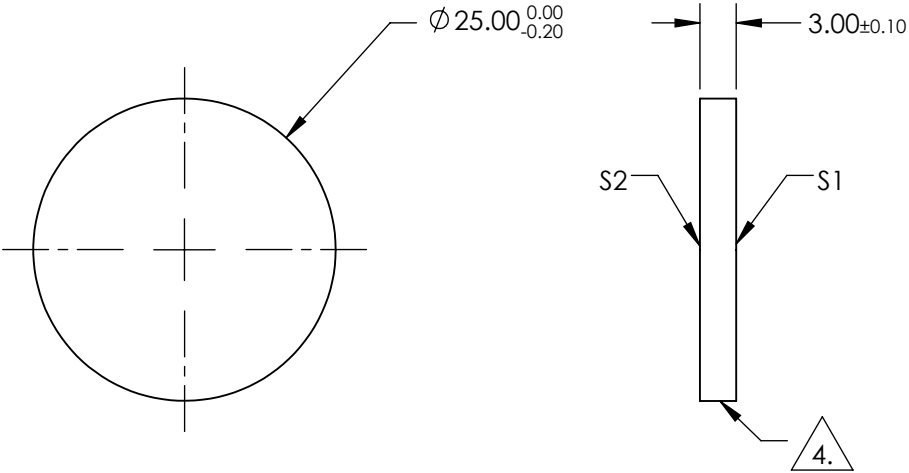
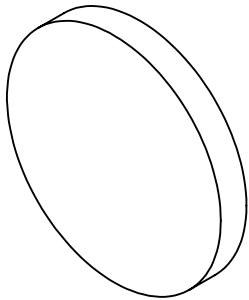
1. SUBSTRATE: UV FUSED SILICA
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)

S1: HARD DIELECTRIC SPUTTERED  
T(avg): ≥91% FROM 1045 - 1650nm @ 0° AOI  
T(avg): ≤0.01% FROM 200 - 1005nm @ 0° AOI  
T(abs): ≈50% FOR 1025±10.25nm @ 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 (prior to coating)
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



ALL DIMS IN

mm

**Edmund Optics®**

TITLE

Ø25mm, 1025nm, HIGH PERFORMANCE  
LONGPASS FILTER

DWG NO

86074

SHEET  
1 OF 1