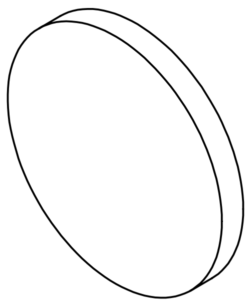
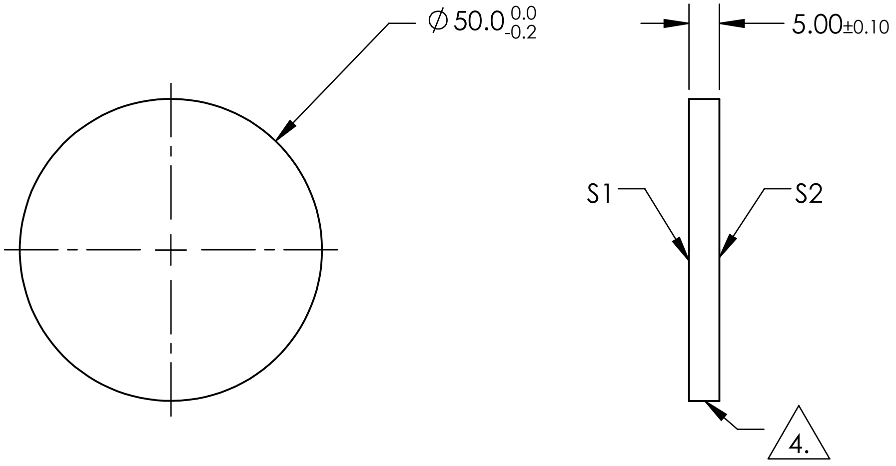
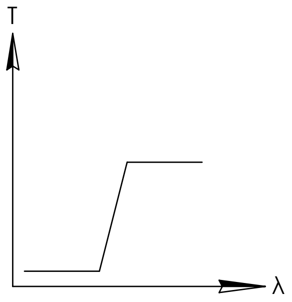
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

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 790 - 1650nm @ 0° AOI
     - T(avg): ≤0.01% FROM 200 - 760nm @ 0° AOI
     - T(abs): =50% FOR 775±7.75nm @ 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

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: Ø50mm, 775nm, HIGH PERFORMANCE LONGPASS FILTER

ALL DIMS IN: mm

DWG NO: 86077

SHEET 1 OF 1