

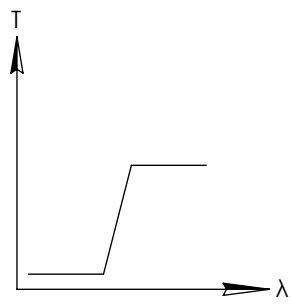
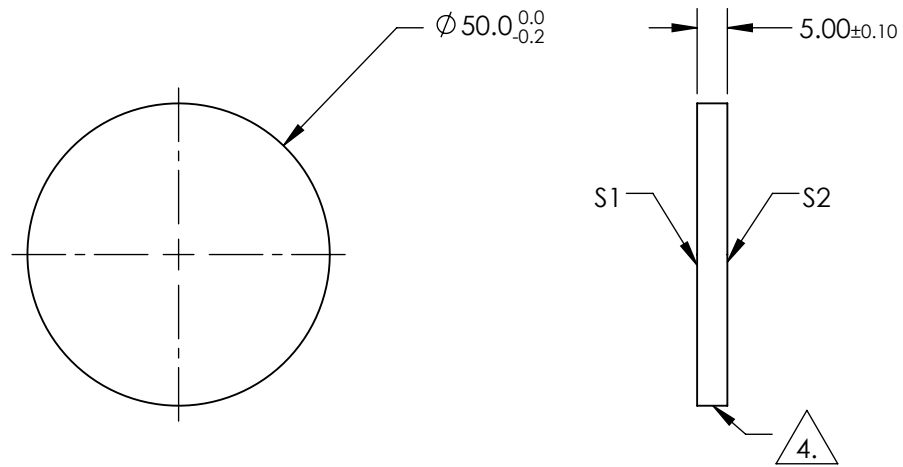
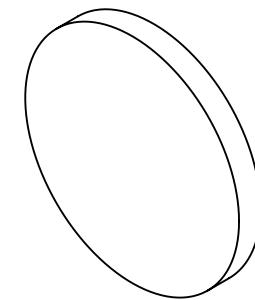
NOTES:

1. SUBSTRATE
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):  $\geq 91\%$  FROM 1095 - 1650nm @ 0° AOI  
 T(avg):  $\leq 0.01\%$  FROM 200 - 1055nm @ 0° AOI  
 T(abs): =50% FOR 1075 $\pm$ 10.75nm @ 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:  $\leq \lambda/4$  @ 633nm
7. ROHS COMPLIANT

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



LONGPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

REV A	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	>80%	>80%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED



ALL DIMS IN mm

TITLE	Ø50mm, 1075nm, HIGH PERFORMANCE LONGPASS FILTER		
DWG NO	86083	SHEET	1 OF 1