

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

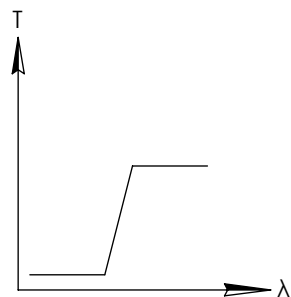
NOTES:

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
ENVIRONMENTAL DURABILITY:  
PHYSICAL DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg): >85% FROM 520 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 520 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 350 - 480nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 350 - 480nm FOR ALL POLARIZATIONS @ 45° AOI  
T(abs): = 50% 500nm @ 45° AOI

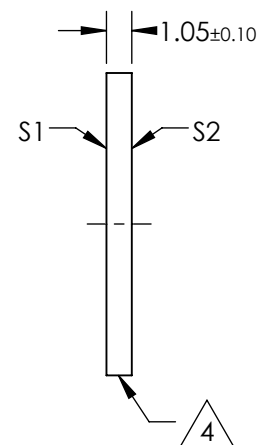
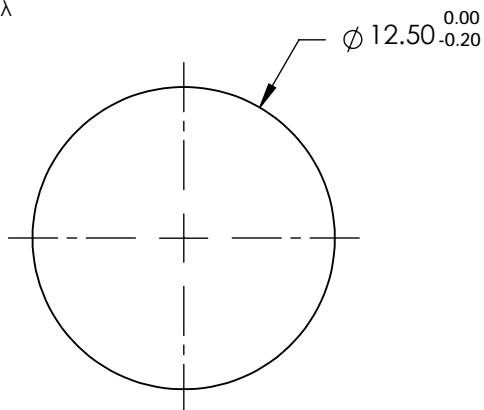
S1: HARD COATED  
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm  $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



LONGPASS FILTER

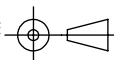


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	Ø11.00	Ø11.00
COATING APERTURE	Ø11.00	Ø11.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

 **Edmund Optics®**

THIRD ANGLE  
PROJECTION



TITLE

Ø12.5mm, 500nm DICHROIC LONGPASS  
FILTER

ALL DIMS IN

mm

DWG NO

69866

SHEET  
1 OF 1