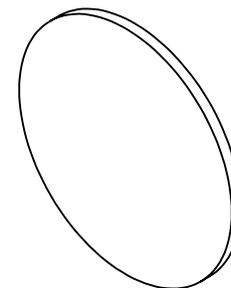


NOTES:

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



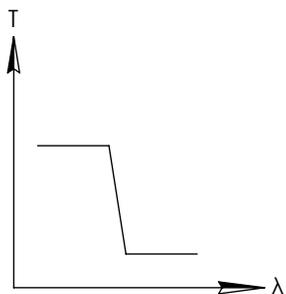
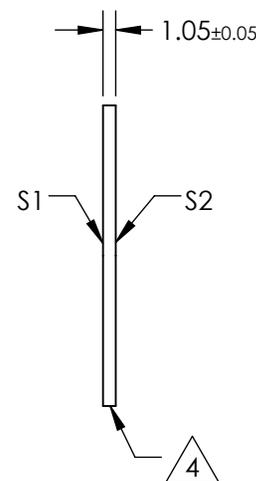
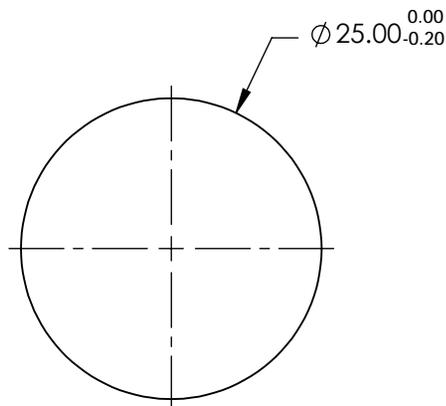
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
PERFORMANCE SPECIFICATIONS:
 T(avg): >85% FROM 400 - 775nm FOR RANDOM POLARIZATION @ 45° AOI
 T(abs): >80% FROM 400 - 775nm FOR ALL POLARIZATIONS @ 45° AOI
 R(avg): >97% FROM 850 - 1050nm FOR RANDOM POLARIZATION @ 45° AOI
 R(abs): >95% FROM 850 - 1050nm FOR ALL POLARIZATIONS @ 45° AOI
 T(abs): = 50% 800nm @ 45° AOI

 GDD: 80 ± 30fs² @ 510 - 775nm
 120 ± 80fs² @ 400 - 775nm

 S1: HARD COATED
 S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm ≤ ¼ λ
7. ROHS COMPLIANT



SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.00	Ø22.00
COATING APERTURE	Ø24.00	Ø24.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EO® Edmund Optics®

THIRD ANGLE PROJECTION

TITLE 800nm, 25mm Diameter, Low GDD Dichroic Shortpass Ultrafast Filter

ALL DIMS IN mm DWG NO 14004 SHEET 1 OF 1