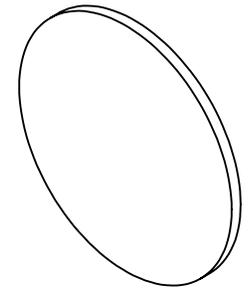


NOTES:

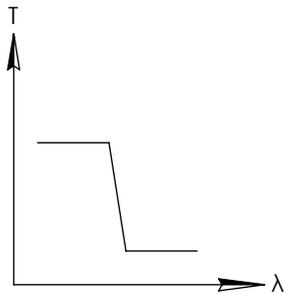
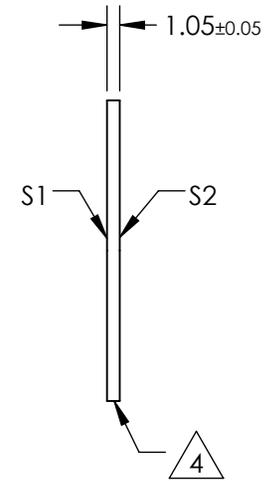
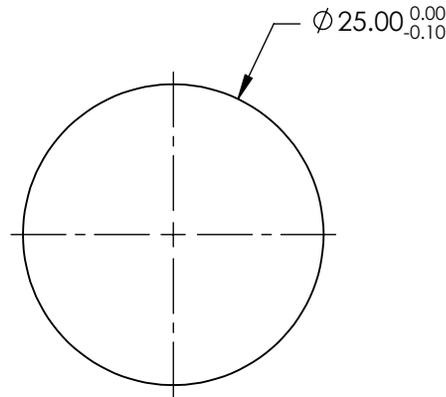
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



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 - 630nm FOR RANDOM POLARIZATION @ 45° AOI  
 T(abs): >80% FROM 400 - 630nm FOR ALL POLARIZATIONS @ 45° AOI  
 R(avg): >97% FROM 675 - 850nm FOR RANDOM POLARIZATION @ 45° AOI  
 R(abs): >95% FROM 675 - 850nm FOR ALL POLARIZATIONS @ 45° AOI  
 T(abs): = 50% 650nm @ 45° AOI  
  
 GDD: 80 ± 30fs<sup>2</sup> @ 420 - 630nm  
 120 ± 80fs<sup>2</sup> @ 400 - 630nm  
  
 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 ≤ 1/4 λ
7. ROHS COMPLIANT

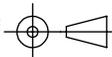


SHORTPASS FILTER

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

THIRD ANGLE  
PROJECTION



ALL DIMS IN

mm

**EO**® **Edmund Optics**®

TITLE

650nm, 25mm Diameter, Low GDD Dichroic  
Shortpass Ultrafast Filter

DWG NO

14001

SHEET  
1 OF 1