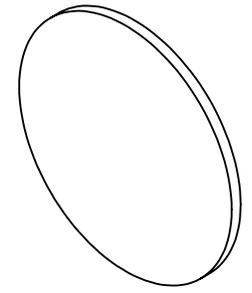


NOTES:

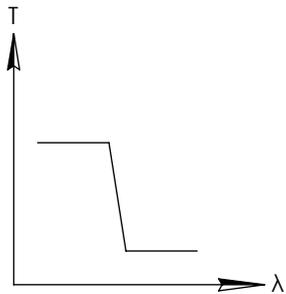
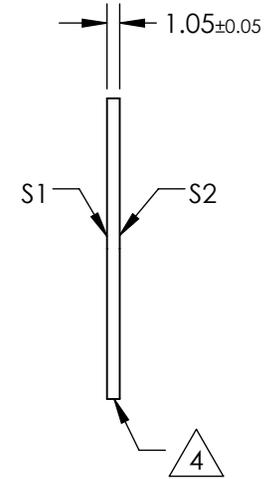
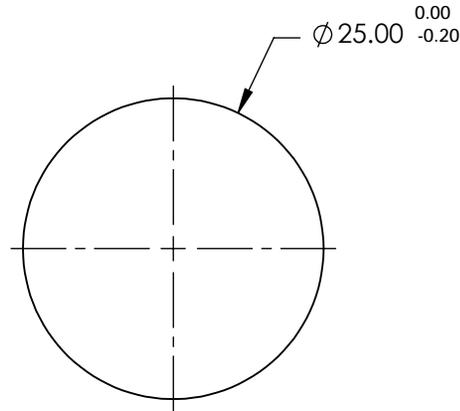
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



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 - 725nm FOR RANDOM POLARIZATION @ 45° AOI  
 T(abs): >80% FROM 400 - 725nm FOR ALL POLARIZATIONS @ 45° AOI  
 R(avg): >97% FROM 800 - 990nm FOR RANDOM POLARIZATION @ 45° AOI  
 R(abs): >95% FROM 800 - 990nm FOR ALL POLARIZATIONS @ 45° AOI  
 T(abs): = 50% 750nm @ 45° AOI  
  
 GDD: 80 ± 30fs<sup>2</sup> @ 500 - 725nm  
 120 ± 80fs<sup>2</sup> @ 400 - 725nm  
  
 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

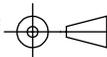


SHORTPASS FILTER

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 |

THIRD ANGLE PROJECTION



ALL DIMS IN

mm

**EO**® Edmund Optics®

TITLE

750nm, 25mm Diameter, Low GDD Dichroic Shortpass Ultrafast Filter

DWG NO

14003

SHEET  
1 OF 1