

**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)

PERFORMANCE SPECIFICATIONS:

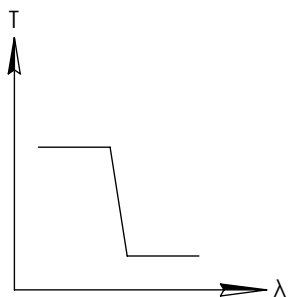
T(avg): >85% FROM 465 - 865nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 465 - 865nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 960 - 1170nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 960 - 1170nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 900nm @ 45° AOI

GDD: $80 \pm 30\text{fs}^2$ @ 610 - 865nm
 $120 \pm 80\text{fs}^2$ @ 465 - 865nm

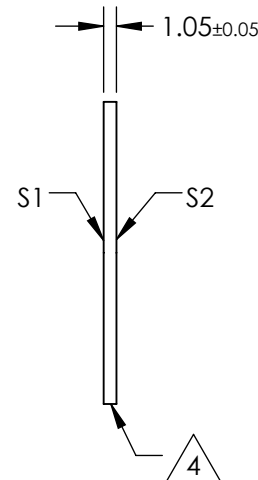
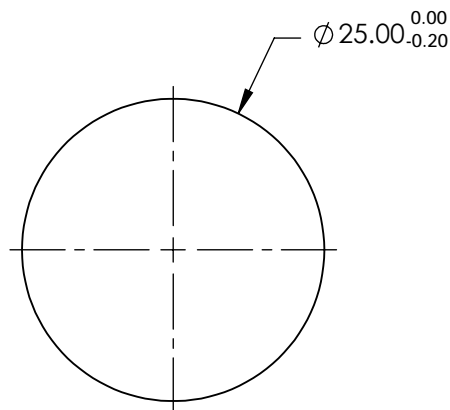
S1: HARD COATED
S2: SINGLE LAYER MgF2

4. FINE GRIND SURFACE

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



SHORTPASS FILTER

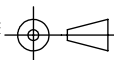


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

| | 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 |

Edmund Optics®

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

900nm, 25mm Diameter, Low GDD Dichroic
Shortpass Ultrafast Filter

DWG NO

14006

SHEET
1 OF 1