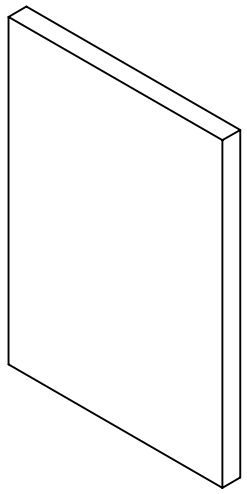
NOTES:

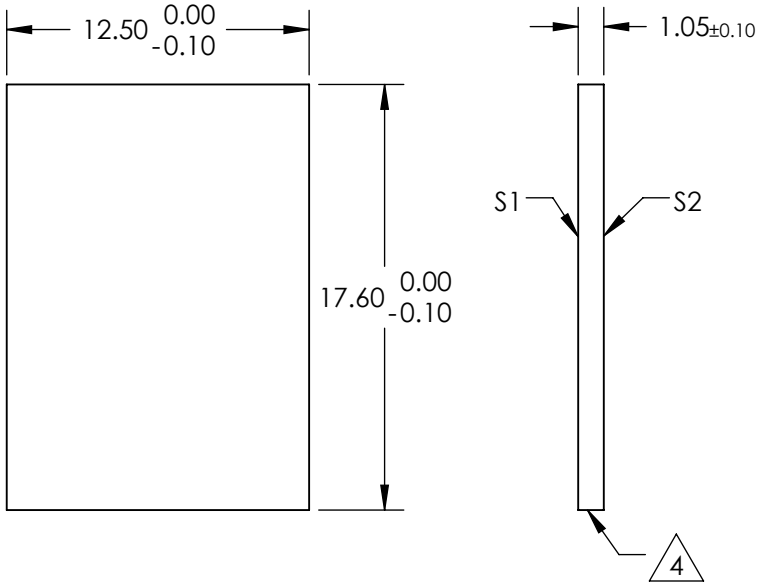
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
   ENVIRONMENTAL DURABILITY:
   PHYSICAL DURABILITY:
   PERFORMANCE SPECIFICATIONS:
   T(avg): >85% FROM 325 - 480nm FOR RANDOM POLARIZATION @ 45° AOI
   T(abs): >80% FROM 325 - 480nm FOR ALL POLARIZATIONS @ 45° AOI
   R(avg): >97% FROM 520 - 610nm FOR RANDOM POLARIZATION @ 45° AOI
   R(abs): >95% FROM 520 - 610nm FOR ALL POLARIZATIONS @ 45° AOI
   T(abs): = 50% 500nm @ 45° AOI

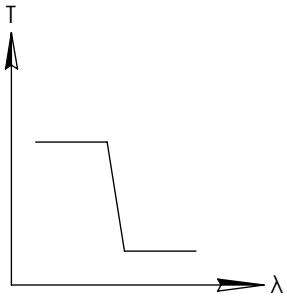
   S1: HARD COATED
   S2: SINGLE LAYER MgF2

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

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






SHORTPASS 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 | 11.0 x 16.0 | 11.0 x 16.0 |
| BEVEL | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |

Edmund Optics®

| | | | |
|---|---|---|---|
| THIRD ANGLE PROJECTION | TITLE | 12.5 x 17.6mm, 500nm DICHROIC SHORTPASS FILTER | |
| ALL DIMS IN mm | DWG NO | 69190 | SHEET 1 OF 1 |