

NOTES:

1. SUBSTRATE: FUSED SILICA
2. SURFACE S2 TO BE PARALLEL TO SURFACE S1 TO WITHIN  
< 10 ARCSEC
3. COATING (APPLY ACROSS COATING APERTURE)  
S1:  $R_a = 70 \pm 3\%$  @ 680-1020nm @ 45°  
 $R_p = 56 \pm 3\%$  @ 680-1020nm @ 45°  
 $R_s = 85 \pm 3\%$  @ 680-1020nm @ 45°

GDD (T):  $\pm 15 \text{ fs}^2$  @ 45°  
GDD (R):  $\pm 20 \text{ fs}^2$  @ 45°

S2:  $AR_s < 2\%$  @ 650-1100nm @ 45°  
 $AR_p < 1.5\%$  @ 650-1100nm @ 45°

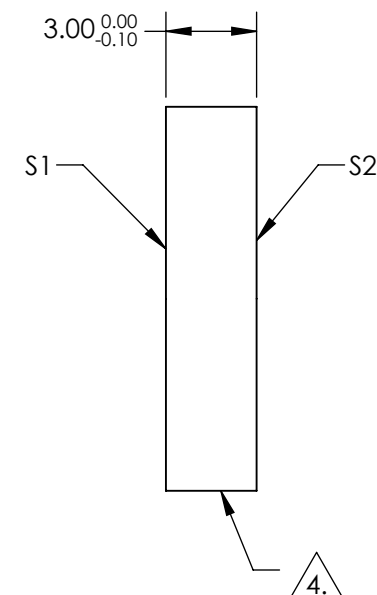
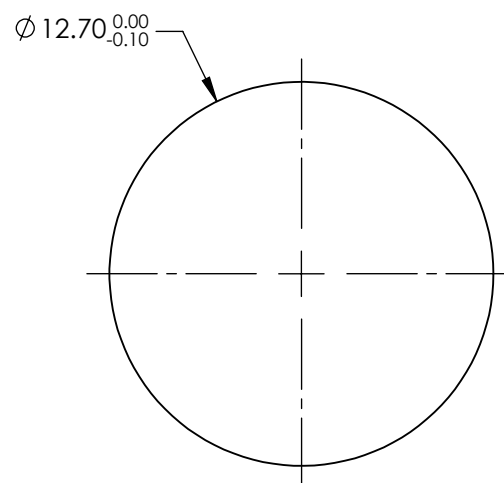
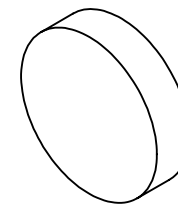
GDD (T):  $\pm 15 \text{ fs}^2$  @ 45°  
GDD (R):  $\pm 20 \text{ fs}^2$  @ 45°

 FINE GRIND SURFACE

5. TRANSMITTED WAVEFRONT DISTORTION @ 632.8nm:  
 $\lambda/8$  @ 633nm @ 45° AOI

6. RoHS: COMPLIANT

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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE FLATNESS @ 632.8nm	$\lambda/6$	N/A
SURFACE QUALITY	10 - 5	10 - 5
CLEAR APERTURE	Ø10.16	Ø10.16
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED



ALL DIMS IN mm

 **Edmund Optics®**

TITLE

12.7mm NON-POLARIZING BEAM SPLITTER R/T  
70:30

DWG NO

13831

SHEET  
1 OF 1