

NOTES:

1. SUBSTRATE MATERIAL:  
FUSED SILICA

2. CENTERING BEAM DEVIATION:

S1 & S2 BEAM DEVIATION TO BE <3 ARCMIN  
S4 & S5 BEAM DEVIATION TO BE <3 ARCMIN

3. COATING (APPLY ACROSS CLEAR APERTURE)

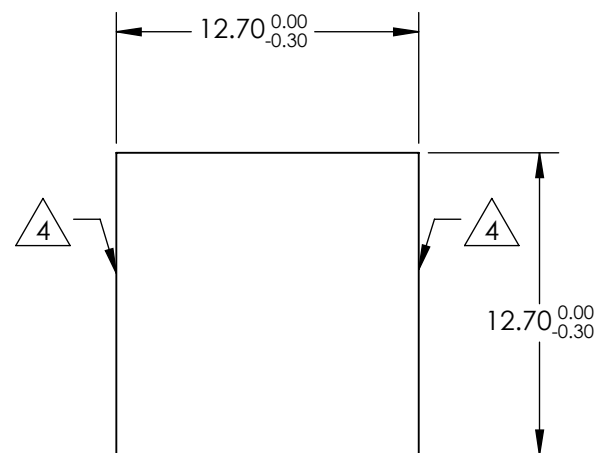
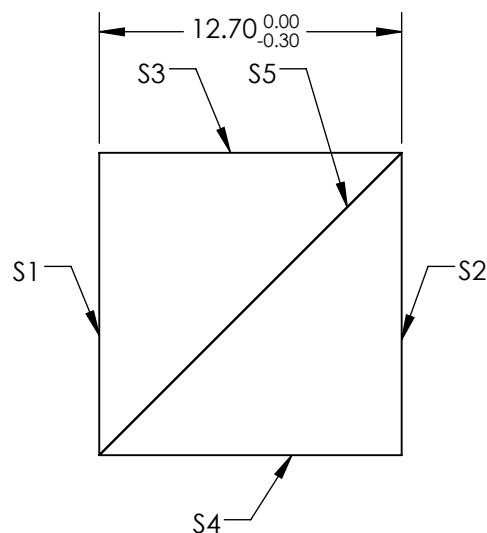
S1, S2, S3 & S4: NONE

S5: EXTINCTION RATIO:  $T_p/T_s > 1000:1$  @ 755nm  
TRANSMISSION:  $TP > 97\%$  @ 755nm

DAMAGE THRESHOLD, PULSED:  
TYPICAL: 20 J/cm<sup>2</sup> @ 1064nm 10ns, 20Hz

4. FINE GROUND SURFACE

5. ROHS COMPLIANT



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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	VALUE
SURFACE FLATNESS	$\lambda/6$
SURFACE QUALITY	20-10
MIN CLEAR APERTURE	11.43 x 11.43
BEVEL MAX FACE	PROTECTIVE AS NEEDED



ALL DIMS IN

mm

**Edmund Optics®**

TITLE

12.7mm x 755nm, HIGH ENERGY POLARIZING  
CUBE BEAMSPLITTER

DWG NO

71027

SHEET  
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