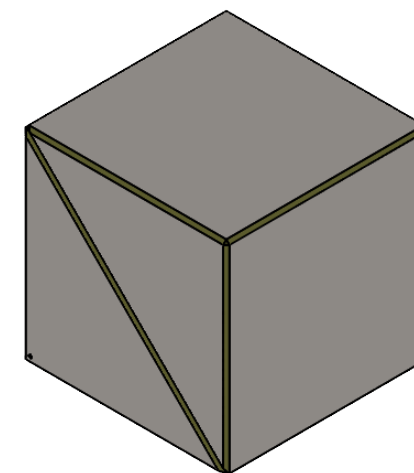
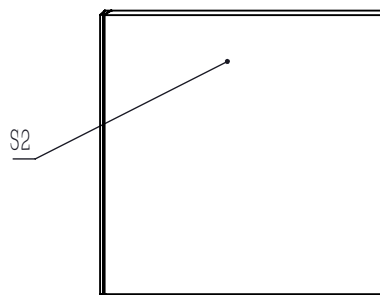


SPLITTING COATING(BEVEL FACE IN THE TRIANGULAR PRISM WITH DOT)



#### NOTES

1. CLEAR APERTURE:  $>80\%CA$
2. AR COATING(S1, S2, S3, S4):  $R_{avg} < 0.5\%$  @420 nm–680 nm( $6^\circ$  AOI, SINGLE SURFACE)
3. DIAMETER TOLERANCE:  $\pm 0.25$  mm
4. ANGLE TOLERANCE:  $\pm 1'$
5. COATING(S5):  $T_p > 90\%$ ,  $R_s, avg > 95\%$  @420 nm–680 nm, AOI= $45^\circ$
6. GLUED(S5, S6): NOA61
7. EXTINCTION RATIO( $T_p, T_s$ ):  $>1000:1$
8. TRANSMITTED BEAM DEVIATION:  $0^\circ \pm 5$  arcmin
9. REFLECTED BEAM DEVIATION:  $90^\circ \pm 5$  arcmin
10. SURFACE QUALITY(S1, S2, S3, S4): 40/20(S/D)
11. WAVEFRONT ERROR(RMS):  $\lambda/4@633$  nm
12. SURFACE FLATNESS(S1, S2, S3, S4):  $\lambda/4@633$  nm
13. OTHER SURFACES: FINE GROUND
14. CHAMFER:  $<0.2$  mm,  $45^\circ$

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE				
DRAWN	LTAN	Aug./31st/25	POLARIZATION BEAM SPLITTER L=12.7 mm, $T_p, T_s > 1000:1@420$ nm–680 nm			
APPROVAL	WCHENG	Aug./31st/25	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-SF1	6.2 g	3:1	B