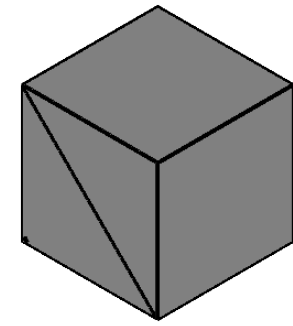
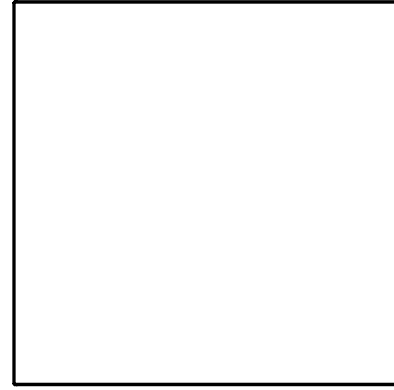


SPLITTING COATING(BEVEL FACE IN THE TRIANGULAR PRISM WITH DOT)

NOTES

1. CLEAR APERTURE: >80%CA
2. AR COATING(S1,S2,S3,S4):  $R_{avg} < 0.5\%$  @ 620 nm- 1000 nm(6° AOI,SINGLE SURFACE)
3. DIAMETER TOLERANCE: +0.0/-0.25 mm
4. ANGLE TOLERANCE:  $\pm 2'$
5. COATING(S5):  $T_p, avg > 90\%$ ,  $R_s, avg > 95\%$  @ 620 nm-1000 nm, AOI=45°
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. TRANSMISSION WAVEFRONT ERROR:  $\lambda/2$  @ 633 nm
12. SURFACE FLATNESS(S1,S2,S3,S4):  $\lambda/4$  @ 633 nm
13. OTHER SURFACES: FINE GROUND
14. CHAMFER: <0.5 mm, 45°



RATIO 1:2

DRAWING PROJECTION			<b>LBTEK</b>			
NAME	DATE					
DRAWN	LTAN	Aug./31st/25	POLARIZATION BEAM SPLITTER L=50.8 mm, $T_p, T_s > 1000:1$ @ 620 nm-1000 nm			
APPROVAL	WCHENG	Aug./31st/25	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-SF1	401.1 g	1:1	B