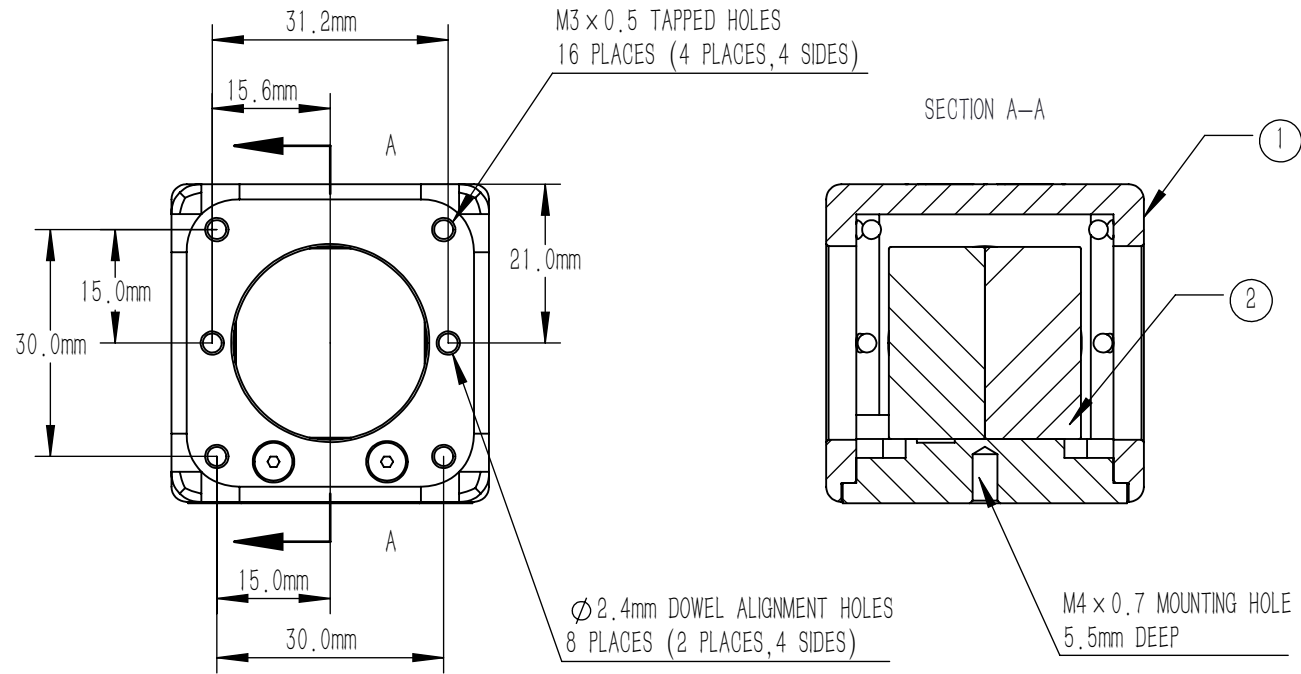


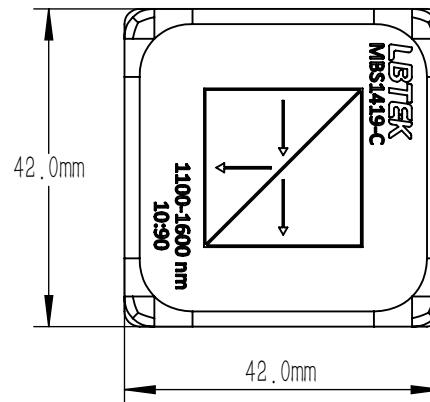
NUMBER	PART DESCRIPTION	MATERIAL
①	MECHANICAL HOUSING	BLACK ANODIZED ALUMINUM
②	BS1491-B	N-BK7



NOTES

BS1491-B.

1. CLEAR APERTURE: 80% CA
2. AR COATING(S1, S2, S3, S4):  $R_{avg} < 0.5\%$  @ 700 nm-1100 nm (6° AOI, SINGLE SURFACE)
3. ANGLE TOLERANCE:  $\pm 5'$
4. COATING(S5): SPLITTING COATING  
 $T_{abs} = (7 + 10/-5)\%$ ,  $R_{abs} = (87 \pm 10)\%$ ,  $|T_s - T_p| < 10\%$   
 $|R_s - R_p| < 10\%$ ,  $T_{abs} + R_{abs} > 85\%$ ,  $AOI = 0^\circ$
5. GLUED(S5, S6): NOA61
6. SPLIT RATIO(R, T): 90:10
7. TRANSMITTED BEAM DEVIATION:  $0^\circ \pm 5$  arcmin
8. REFLECTED BEAM DEVIATION:  $90^\circ \pm 5$  arcmin
9. SURFACE QUALITY(S1, S2, S3, S4): 40/20(S/D)
10. WAVEFRONT ERROR:  $\lambda/4$  @ 633 nm
11. SURFACE FLATNESS(S1, S2, S3, S4):  $\lambda/4$  @ 633 nm
12. OTHER SURFACES: FINE GROUND
13. CHAMFER: 0.2 mm, 45°



DRAWING PROJECTION							
	NAME	DATE	MBS1491-B				
DRAWN	LTAN	Oct./10th/24	BEAM SPLITTER L=25.4 mm, R:T=90:10 @ 700 nm-1100 nm				
APPROVAL	WCHENG	Oct./10th/24	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	129 g	1:1	B	