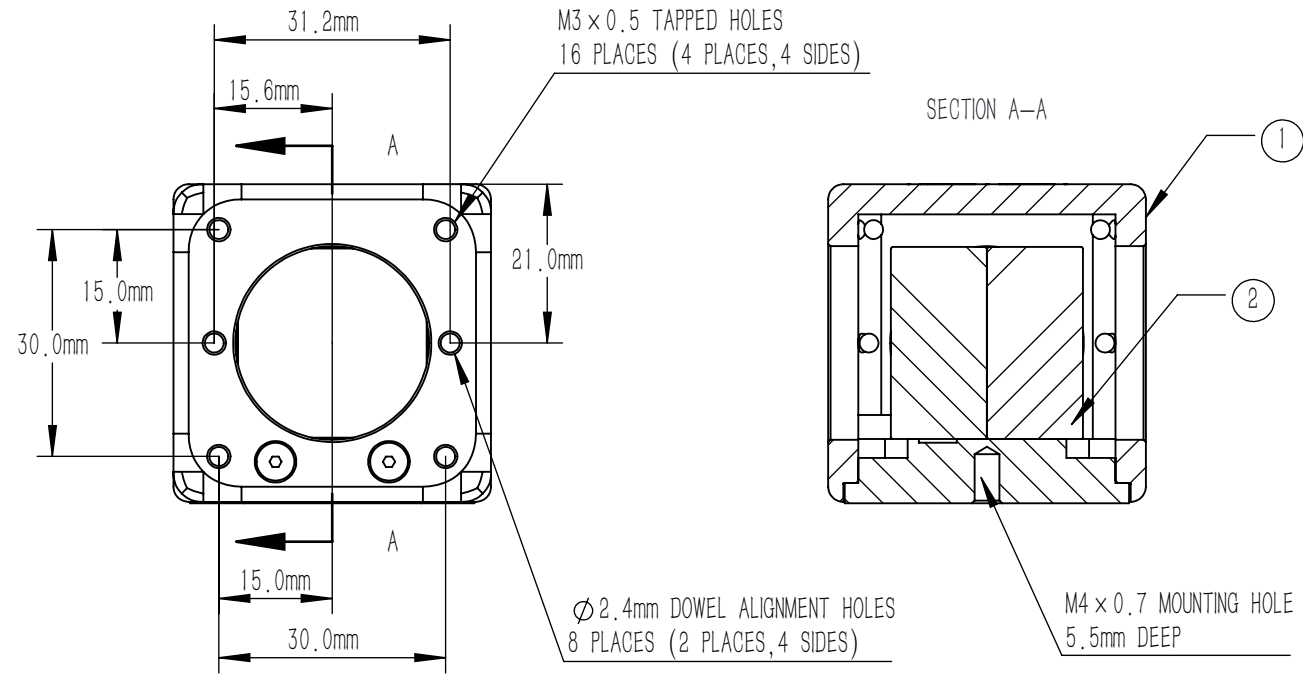


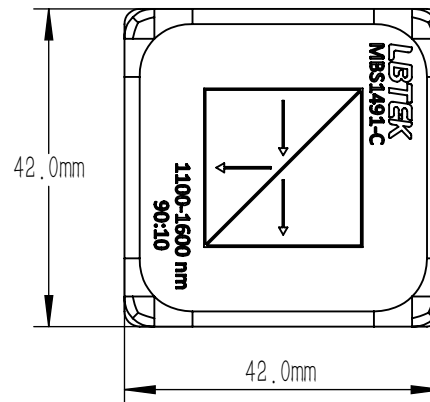
NUMBER	PART DESCRIPTION	MATERIAL
①	MECHANICAL HOUSING	BLACK ANODIZED ALUMINUM
②	BS1491-C	N-BK7



NOTES

BS1491-C.

1. CLEAR APERTURE: 80% CA
2. AR COATING(S1, S2, S3, S4): $R_{avg} < 0.5\%$ @ 1100 nm-1600 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				LBTEK			
				MBS1491-C			
DRAWN		LTAN		DATE		Oct. /10th/24	
APPROVAL		WCHENG		DATE		Oct. /10th/24	
				BEAM SPLITTER			
				L=25.4 mm, R, T=90:10 @ 1100 nm-1600 nm			
		MATERIAL		WEIGHT		SCALE	
		N-BK7		129 g		1:1	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES							
						REV	
						B	