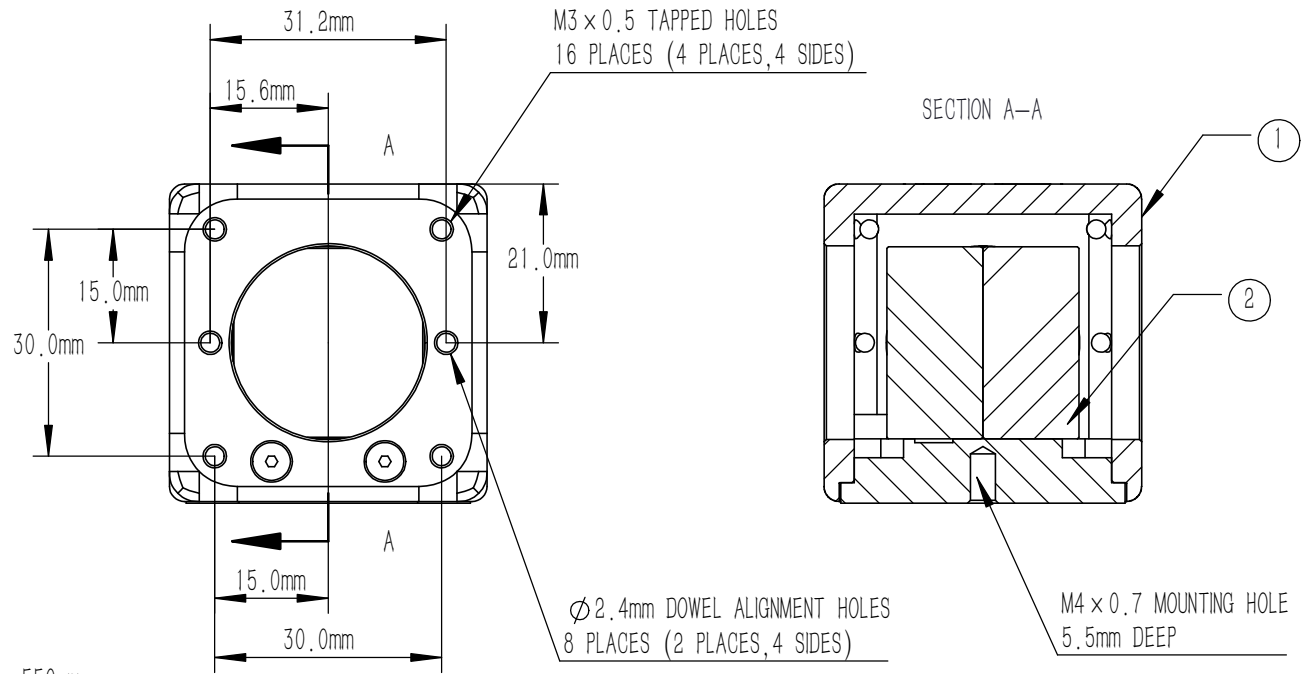
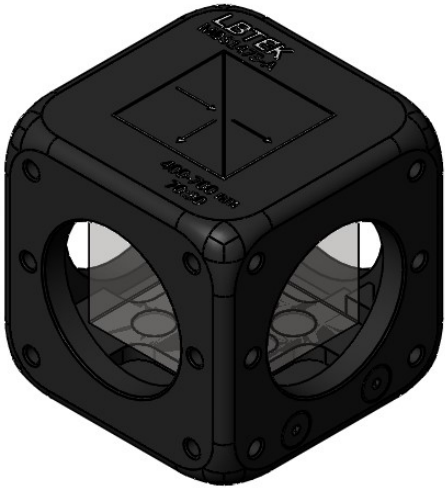
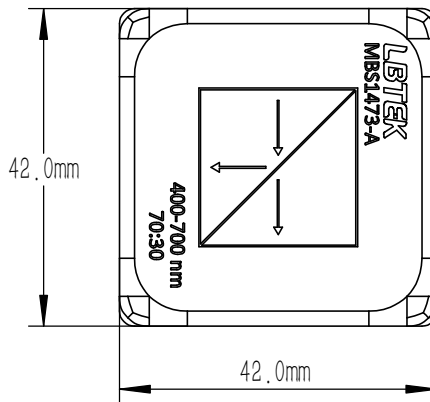


NUMBER	PART DESCRIPTION	MATERIAL
①	MECHANICAL HOUSING	BLACK ANODIZED ALUMINUM
②	BS1473-A	N-BK7



NOTES

- BS1473-A:
- CLEAR APERTURE: 80% CA
 - AR COATING(S1, S2, S3, S4): $R_{avg} < 0.5\% @ 400\text{ nm} - 700\text{ nm}$
(6° AOI, SINGLE SURFACE)
 - ANGLE TOLERANCE: $\pm 5'$
 - COATING(S5): SPLITTING COATING
 $T_{abs} = (27 \pm 10)\%$, $R_{abs} = (60 + 10 / -20)\%$, $T_{abs} + R_{abs} > 70\% @ 400\text{ nm} - 550\text{ nm}$;
 $T_{abs} = (27 \pm 10)\%$, $R_{abs} = (67 + 5 / -15)\%$, $T_{abs} + R_{abs} > 85\% @ 550\text{ nm} - 700\text{ nm}$;
 $|T_s - T_p| < 10\%$, $|R_s - R_p| < 10\%$;
 - GLUED(S5, S6): NOA61
 - SPLIT RATIO(R: T): 70:30
 - TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5\text{ arcmin}$
 - REFLECTED BEAM DEVIATION: $90^\circ \pm 5\text{ arcmin}$
 - SURFACE QUALITY(S1, S2, S3, S4): 40/20(S/D)
 - WAVEFRONT ERROR: $\lambda/4 @ 633\text{ nm}$
 - SURFACE FLATNESS(S1, S2, S3, S4): $\lambda/6 @ 633\text{ nm}$
 - OTHER SURFACES: FINE GROUND
 - CHAMFER: 0.2 mm, 45°



DRAWING PROJECTION		LBTEK	
	NAME	DATE	MBS1473-A
DRAWN	LTAN	Oct./10th/24	BEAM SPLITTER L=25.4 mm, R:T=70:30@400 nm-700 nm
APPROVAL	WCHENG	Oct./10th/24	MATERIAL
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			WEIGHT
			SCALE
			REV
		N-BK7	129 g
			1:1
			B