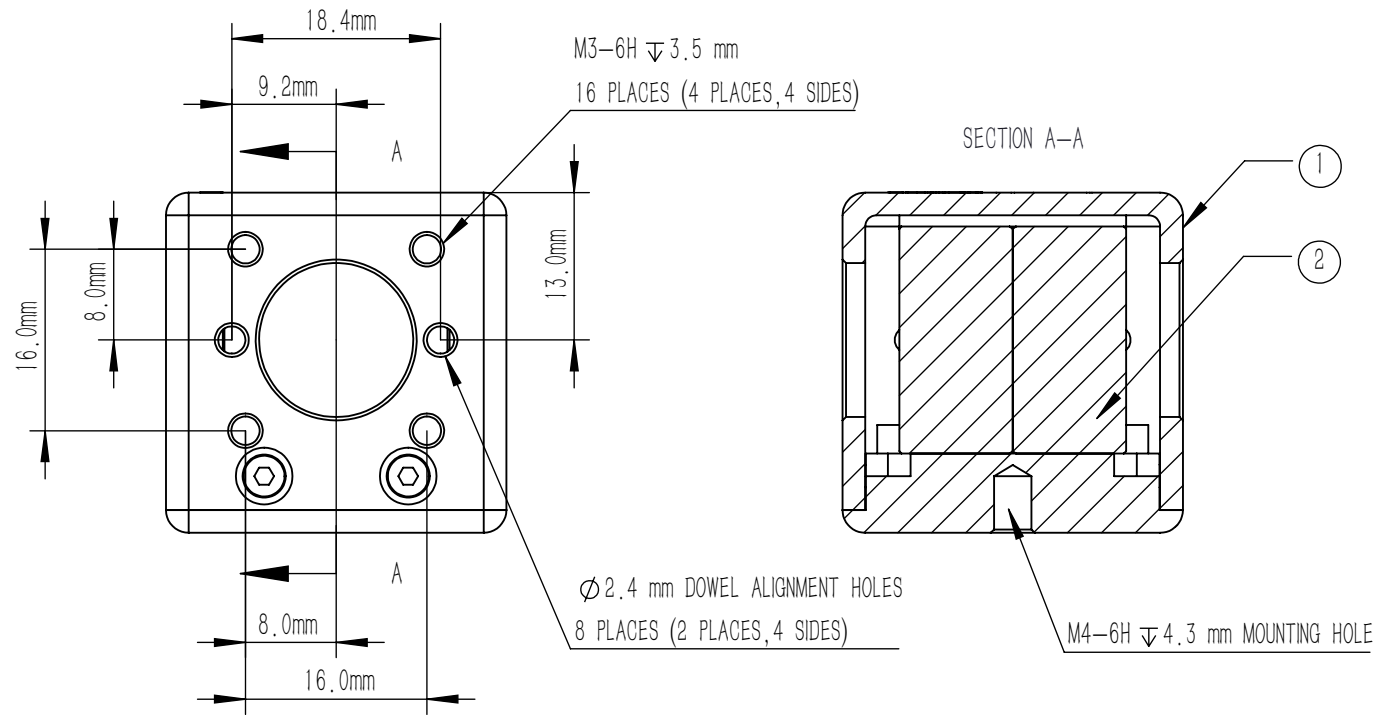




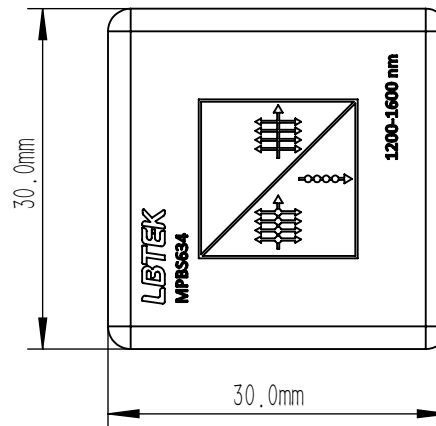
NUMBER	PART DESCRIPTION	MATERIAL
①	MECHANICAL HOUSING	BLACK ANODIZED ALUMINUM
②	PBS634	N-SF1



NOTES

PBS634:

- CLEAR APERTURE: $>80\%CA$
- AR COATING(S1,S2,S3,S4): $R_{avg} < 0.5\%$ @1200 nm-1600 nm (6° AOI, SINGLE SURFACE)
- DIAMETER TOLERANCE: ± 0.25 mm
- ANGLE TOLERANCE: $\pm 1'$
- COATING(S5): $T_p > 90\%$, $R_{savg} > 95\%$ @1200 nm-1600 nm, AOI= 45°
- GLUED(S5,S6): NOA61
- EXTINCTION RATIO(T_p, T_s): $> 1000:1$
- TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5$ arcmin
- REFLECTED BEAM DEVIATION: $90^\circ \pm 5$ arcmin
- SURFACE QUALITY(S1,S2,S3,S4): 40/20(S/D)
- TRANSMISSION WAVEFRONT ERROR(RMS): $\lambda/4$ @633 nm
- SURFACE FLATNESS(S1,S2,S3,S4): $\lambda/4$ @633 nm
- OTHER SURFACES: FINE GROUND
- CHAMFER: < 0.5 mm, 45°



DRAWING PROJECTION							
	NAME	DATE	MPBS634				
DRAWN	LTAN	Aug./31st/25	POLARIZATION BEAM SPLITTER L=20.0 mm, $T_p, T_s > 1000:1$ @1200 nm-1600 nm				
APPROVAL	WCHENG	Aug./31st/25	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			6061-T6&N-SF1	53.8 g	3:2	B	