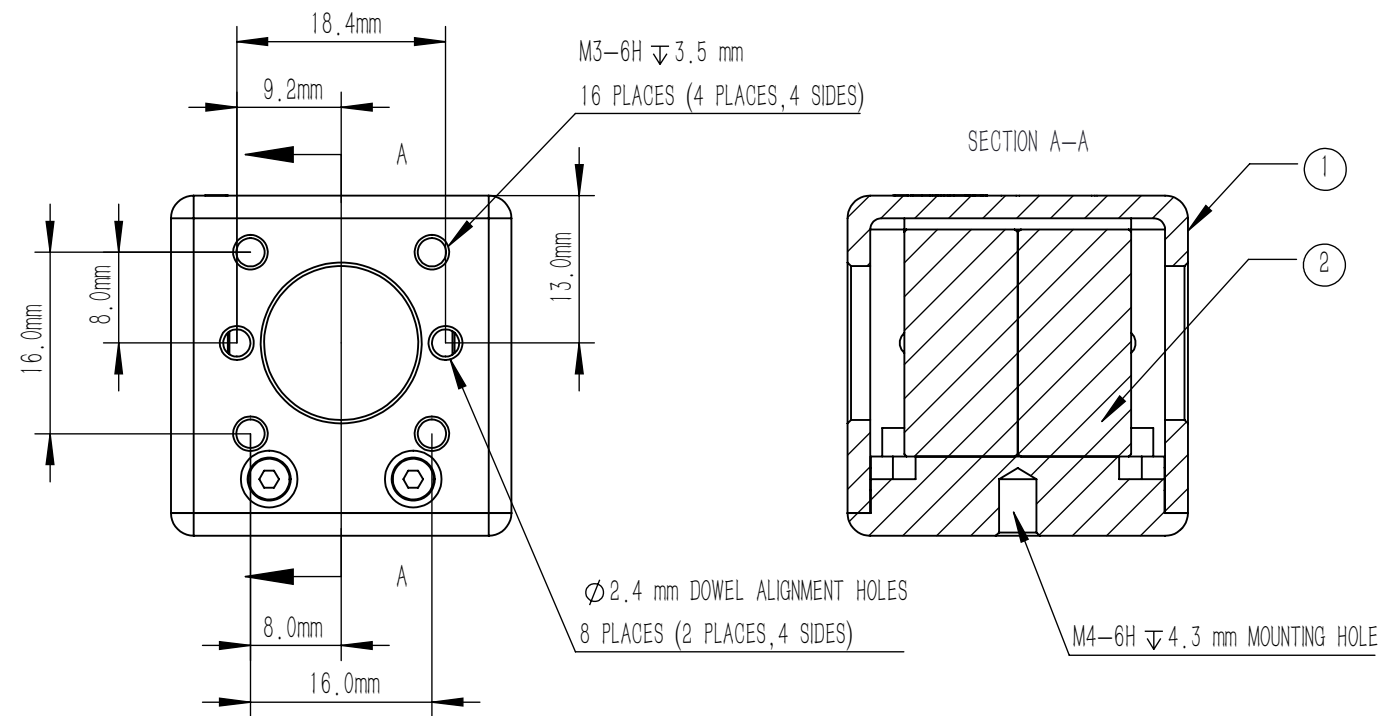
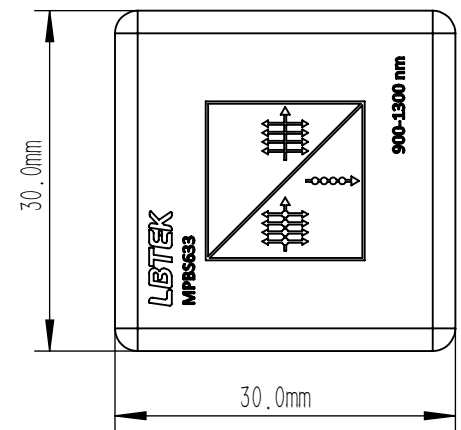


NUMBER	PART DESCRIPTION	MATERIAL
①	MECHANICAL HOUSING	BLACK ANODIZED ALUMINUM
②	PBS633	N-SF1



NOTES

- PBS633:
- CLEAR APERTURE:  $>80\%$ CA
  - AR COATING(S1, S2, S3, S4):  $R_{avg} < 0.5\%$  @900 nm- 1300 nm( $6^\circ$  AOI, SINGLE SURFACE)
  - DIAMETER TOLERANCE:  $\pm 0.25$  mm
  - ANGLE TOLERANCE:  $\pm 1'$
  - COATING(S5):  $T_p > 90\%$ ,  $R_{savg} > 95\%$  @900 nm-1300 nm, AOI= $45^\circ$
  - 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,  $45^\circ$



DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>			
	NAME	DATE	MPBS633				
DRAWN	LTAN	Aug./31st/25	POLARIZATION BEAM SPLITTER L=20.0 mm, $T_p$ : $T_s > 1000:1$ @900 nm-1300 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	