



NOTES

1. MATERIAL: 6061-T6 AL
2. PARABOLIC FOCAL LENGTH: 16.5 mm  $\pm 1\%$
3. REFLECTION FOCAL LENGTH: 33.0 mm  $\pm 1\%$
4. OFF-AXIS ANGLE: 90°
5. CLEAR APERTURE: >90%
6. REFLECTED WAVEFRONT DIFFERENCE:  $< \lambda / 4 @ 633 \text{ nm}$
7. SURFACE QUALITY (PARABOLOID): 40/20 (S/D)
8. SURFACE ROUGHNESS (PARABOLOID): 10 nm
9. COATING (PARABOLOID): WITH PROTECTED GOLD COATING  
 $R_{\text{avg}} > 96\% @ 800 \text{ nm} - 20 \mu\text{m}$
10. OPTICAL FINISH (S1): METAL DEPOSITION DIAMOND TURNING ALUMINUM SURFACE
11. SURFACE TREATMENT (S2, S3): BLACK ANODIZED
12. CHAMFER:  $\leq 0.8 \text{ mm}, 45^\circ$

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	MPM0533-90-AU			
DRAWN	BSHU	Aug./12th/24	OFF-AXIS PARABOLIC MIRROR $\phi 12.7 \text{ mm } F=33 \text{ mm, AR COATING, AU}$			
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			AL	4.3 g	3:1	C