



NOTES

1. MATERIAL: 6061-T6 AL
2. PARABOLIC FOCAL LENGTH: 12.70 mm \pm 1%
3. REFLECTION FOCAL LENGTH: 25.40 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			LBTEK			
	NAME	DATE	MPM1025-90-AU			
DRAWN	BSHU	Aug./12th/24	OFF-AXIS PARABOLIC MIRROR ϕ 25.4 mm F=25.4 mm, AR COATING: AU			
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			AL	23.2 g	2:1	C