



NOTES

1. MATERIAL: 6061-T6 AL
2. PARABOLIC FOCAL LENGTH: 12.70 mm ± 1%
3. REFLECTION FOCAL LENGTH: 25.40 mm ± 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 SILVER COATING  
 $R_{avg} > 97\% @ 450 \text{ nm} - 2 \mu\text{m}$   
 $R_{avg} > 96\% @ 2 \mu\text{m} - 20 \mu\text{m}$
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	MPM1025-90-AG			
DRAWN	BSHU	Aug./12th/24	OFF-AXIS PARABOLIC MIRROR $\phi 25.4 \text{ mm } F=25.4 \text{ mm, AR COATING: AG}$			
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			AL	23.2 g	2:1	C