



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 UV ENHANCED ALUMINUM COATING  
R<sub>avg</sub> > 90% @ 250 nm-450 nm
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-UVAL			
DRAWN	BSHU	Aug./12th/24	OFF-AXIS PARABOLIC MIRROR $\phi$ 25.4 mm F=25.4 mm, AR COATING: UVAL			
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			AL	23.3 g	2:1	C