



NOTES

1. MATERIAL: 6061-T6 AL
2. PARABOLIC FOCAL LENGTH: $25.40 \text{ mm} \pm 1\%$
3. REFLECTION FOCAL LENGTH: $50.80 \text{ mm} \pm 1\%$
4. OFF-AXIS ANGLE: 90°
5. CLEAR APERTURE: $>90\%$
6. DIAMETER TOLERANCE: $+0.00/-0.10 \text{ mm}$
7. REFLECTED WAVEFRONT DIFFERENCE: $< \lambda/4 @ 633 \text{ nm}$
8. SURFACE QUALITY(PARABOLOID): 40/20(S/D)
9. SURFACE ROUGHNESS(PARABOLOID): 10 nm
10. COATING(PARABOLOID): WITH PROTECTED UV ENHANCED ALUMINUM COATING
Ravg $>90\% @ 250 \text{ nm}-450 \text{ nm}$
11. OPTICAL FINISH(S1): METAL DEPOSITION DIAMOND TURNING ALUMINUM SURFACE
12. SURFACE TREATMENT(S2,S3): BLACK ANODIZED
13. CHAMFER: $\leq 0.8 \text{ mm}, 45^\circ$

DRAWING PROJECTION			LBTEK			
NAME	DATE					
DRAWN	BSHU	Aug./12th/24	OFF-AXIS PARABOLIC MIRROR $\phi 25.4 \text{ mm } F=50.8 \text{ mm}, \text{AR COATING: UVAL}$			
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			AL	24.2 g	3:2	C