



NOTES

1. COATING(S1): AG  
 $R_{avg} > 96\% @ 480\text{ nm} - 2.0\text{ }\mu\text{m}$   
 $R_{avg} > 97.5\% @ 2.0 - 20\text{ }\mu\text{m} @ 0^\circ - 45^\circ \text{ AOI}$
2. CLEAR APERTURE(S1):  $> 80\% \text{ CA}$
3. SURFACE QUALITY(S1): 40/20(S/D)
4. SURFACE FLATNESS(S1):  $\lambda/4 @ 633\text{ nm}$
5. CENTRATION:  $< 3\text{ arcmin}$
6. CHAMFER:  $< 0.2\text{ mm}, 45^\circ$
7. BACK SURFACE(S2): FINE GROUND
8. DIAMETER TOLERANCE:  $+0.0 / -0.2\text{ mm}$
9. THICKNESS TOLERANCE:  $\pm 0.25\text{ mm}$
10. FOCAL LENGTH:  $-12.5\text{ mm} \pm 1\%$

|  |        |              |  |        |       |     |
|--|--------|--------------|--|--------|-------|-----|
| DRAWING PROJECTION                                     |        |              | <b>LBTEK</b>   |        |       |     |
|  | NAME   | DATE         |  |        |       |     |
| DRAWN  | BSHU   | Aug. /5th/24 | METAL-COATED CONCAVE MIRROR<br>$\phi 12.7\text{ mm}, F=-12.5\text{ mm}, \text{AG: } 450\text{ nm} - 20.0\text{ }\mu\text{m}$ |        |       |     |
| APPROVAL   | WCHENG | Aug. /5th/24 | MATERIAL   | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |              | Borofloat  | 0.78 g | 5:1   | D   |