



NOTES

1. CLEAR APERTURE: >90%
2. DIAMETER TOLERANCE: +0.0/-0.2 mm
3. THICKNESS TOLERANCE: ±0.2 mm
4. WEDGE ANGLE: 0.5° ±0.1°
5. SURFACE QUALITY(S/D): 20/10
6. SURFACE FLATNESS: λ/10@633 nm
7. COATING:
 SPLITTING COATING(S1): $T_{abs}=50 \pm 8\%$, $R_{abs}=50 \pm 8\%$,
 $T_{abs}+R_{abs}>90\%$, $T_{avg}+R_{avg}>95\%$,
 $|T_p-T_s|<35\%$, $|R_p-R_s|<35\%$, 700-1100nm, 45° AOI
 AR COATING(S2): $R_{abs}<1\%$, 700-1100nm, 45° AOI
8. ARROW POINTS TO THE SPLITTING COATING

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|--|--------|-------------|--|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| NAME | DATE | BS2055-B | | | | |
| DRAWN | LZHOU | Aug./5th/24 | FLAT BEAM SPLITTER Ø12.7 mm×3.0 mm, 700-1100 nm | | | |
| APPROVAL | WCHENG | Aug./5th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | UVFS | 0.8 g | 2:1 | A |