



NOTES

1. DESIGN WAVELENGTH: 706.5 nm, 855.0 nm & 1015.0 nm
2. CLEAR APERTURE: >90%CA
3. OPERATION WAVELENGTH: 700 nm-1100 nm
4. DIAMETER TOLERANCE: +0.0/-0.1 mm
5. THICKNESS TOLERANCE: ±0.1 mm
6. FOCAL LENGTH: 19.0 mm ±1% @ 855.0 nm
7. BACK FOCAL LENGTH(REF): 15.5 mm
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE POWER(S1,S2): $3\lambda/2$ @ 632.8 nm
10. SURFACE IRREGULARITY(S1,S2): $\lambda/4$ @ 632.8 nm
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1,S2): AR COATING $R_{avg} < 0.5%$ @ 700 nm-1100 nm

| | PART DESCRIPTION | MATERIAL |
|---|------------------|--------------------|
| ① | SM05-8A | ANODIZED ALUMINIUM |
| ② | AD303-B | N-BAF10 |
| | | N-SF6HT |
| ③ | SM05R | ANODIZED ALUMINIUM |

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|--|--|--------|-------------|------------------------------------|--|----------|-------|-----|
| DRAWING PROJECTION | | | | <h1 style="color: red;">LBTEK</h1> | | | | |
| | | | | | | | | |
| | | NAME | | DATE | | MAD303-B | | |
| DRAWN | | BSHU | Aug./5th/24 | | ϕ 12.7 mm, F=19.0 mm ACHROMATIC DOUBLETS AR COATING 700-1100 nm | | | |
| APPROVAL | | WCHENG | Aug./5th/24 | | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | | | N-BAF10/N-SF6HT | 13.34g | 2:1 | B |