



|   | PART DESCRIPTION | MATERIAL           |
|---|------------------|--------------------|
| ① | SM2-25A          | ANODIZED ALUMINIUM |
| ② | AD508-A          | N-BAF10            |
|   |                  | SF10               |
| ③ | SM2R             | ANODIZED ALUMINIUM |

NOTES

1. MATERIAL: N-BAF10/SF10
2. DESIGN WAVELENGTH: 486.1 nm, 587.6 nm & 656.3 nm
3. CLEAR APERTURE: >90%CA
4. OPERATION WAVELENGTH: 400 nm-700 nm
5. DIAMETER TOLERANCE: +0.0/-0.1 mm
6. THICKNESS TOLERANCE: ±0.2 mm
7. FOCAL LENGTH: 100.0 mm ±1%@587.6 nm
8. BACK FOCAL LENGTH(REF): 89.0 mm
9. SURFACE QUALITY (S/D) (S1,S2): 40/20
10. SURFACE POWER (S1,S2):  $3\lambda/2@632.8$  nm
11. SURFACE IRREGULARITY(S1,S2):  $\lambda/4@632.8$  nm
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING (S1,S2): AR COATING  $R_{avg}<0.5%@400$  nm-700 nm

|  |        |             |  |          |       |     |
|--|--------|-------------|--|----------|-------|-----|
| DRAWING PROJECTION                                     |        |             | <b>LBTEK</b>   |          |       |     |
|  |        |             |  |          |       |     |
|  |        | NAME        | DATE   | MAD508-A |       |     |
| DRAWN  | BSHU   | Aug./5th/24 | $\phi 50.8$ mm, F=100.0 mm<br>ACHROMATIC DOUBLETS<br>AR COATING 400-700 nm |          |       |     |
| APPROVAL   | WCHENG | Aug./5th/24 | MATERIAL   | WEIGHT   | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |             | N-BAF10/N-SF10   | 120.17g  | 1:1   | B   |