



NOTES

1. DESIGN WAVELENGTH: 1016.0 nm, 1330.0 nm & 1550.0 nm
2. CLEAR APERTURE: >90%CA
3. OPERATION WAVELENGTH: 1100 nm-1650 nm
4. DIAMETER TOLERANCE: +0.0/-0.1 mm
5. THICKNESS TOLERANCE: ±0.1 mm
6. FOCAL LENGTH: 400.0 mm ±1% @ 1330.0 nm
7. BACK FOCAL LENGTH(REF): 386.7 mm
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE POWER(S1,S2): $3\lambda/2 @ 632.8\text{ nm}$
10. SURFACE IRREGULARITY(S1,S2): $\lambda/4 @ 632.8\text{ nm}$
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1,S2): AR COATING $R_{avg} < 0.5\% @ 1100\text{ nm}-1650\text{ nm}$

| | PART DESCRIPTION | MATERIAL |
|---|------------------|--------------------|
| ① | SM1-12.5A | ANODIZED ALUMINIUM |
| ② | AD420-C | N-SF2 |
| | | N-SF6 |
| ③ | SM1R | ANODIZED ALUMINIUM |

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|--|--------|-------------|--|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| | | | | | | |
| | | | MAD420-C | | | |
| DRAWN | BSHU | Aug./5th/24 | $\phi 25.4\text{ mm}, F=400.0\text{ mm}$ ACHROMATIC DOUBLETS AR COATING 1100-1650 nm | | | |
| APPROVAL | WCHENG | Aug./5th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | N-SF2/N-SF6 | 27.73g | 2:1 | B |