



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: 75.0 mm ±1% @ 855.0 nm
7. BACK FOCAL LENGTH(REF): 69.9 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 $R_{avg} < 0.5% @ 700 \text{ nm}-1100 \text{ nm}$

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|---|----------|
| | MATERIAL |
| ① | N-BAF10 |
| ② | N-SF6HT |

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|--|--------|-------------|--|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
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| | NAME | DATE | AD412-B | | | |
| DRAWN | BSHU | Aug./5th/24 | $\phi 25.4 \text{ mm}, F=75.0 \text{ mm}$ 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 | 22.00g | 10:1 | A |