



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: $+0.0/-0.1\text{ mm}$
5. THICKNESS TOLERANCE: $\pm 0.1\text{ mm}$
6. FOCAL LENGTH: $60.0\text{ mm} \pm 1\% @ 855.0\text{ nm}$
7. BACK FOCAL LENGTH(REF): 55.8 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: $<3\text{ arcmin}$
12. CHAMFER: $<0.2\text{ mm}, 45^\circ$
13. COATING(S1, S2): AR COATING $R_{\text{avg}} < 0.5\% @ 700\text{ nm} - 1100\text{ nm}$

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|---|----------|
| | MATERIAL |
| ① | N-LAK22 |
| ② | N-SF6HT |

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|--|--------|-------------|--|--------------|-------|-----|--|
| DRAWING PROJECTION | | | | LBTEK | | | |
| | NAME | DATE | AD417-B | | | | |
| DRAWN | BSHU | Aug./5th/24 | $\phi 25.4\text{ mm}, F=60.0\text{ mm}$ ACHROMATIC DOUBLETS AR COATING 700-1100 nm | | | | |
| APPROVAL | WCHENG | Aug./5th/24 | MATERIAL | WEIGHT | SCALE | REV | |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | N-LAK22/N-SF6HT | 25.29g | 10:1 | A | |