



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: 500.0 mm ±1% @ 855.0 nm
7. BACK FOCAL LENGTH(REF): 497.0 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

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

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|--|--------|-------------|---|--------------|-------|-----|--|
| DRAWING PROJECTION | | | | LBTEK | | | |
| | NAME | DATE | AD524-B | | | | |
| DRAWN | BSHU | Aug./5th/24 | ϕ 50.8 mm, F=500.0 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-LAK22/N-SF6HT | 13.16g | 1:1 | A | |