



| | PART DESCRIPTION | MATERIAL |
|---|------------------|--------------------|
| ① | SM1-12.5A | ANODIZED ALUMINIUM |
| ② | AD408-C | N-BAF10 |
| | | N-SF6 |
| ③ | SM1R | ANODIZED ALUMINIUM |



NOTES

- MATERIAL: N-BAF10/N-SF6
- DESIGN WAVELENGTH: 1016 nm, 1330 nm & 1550 nm
- CLEAR APERTURE: $>90\%CA$
- OPERATION WAVELENGTH: 1100 nm-1650 nm
- DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
- THICKNESS TOLERANCE: $\pm 0.2\text{ mm}$
- FOCAL LENGTH: $100.0\text{ mm} \pm 1\% @ 1330\text{ nm}$
- BACK FOCAL LENGTH(REF): 90.4 mm
- SURFACE QUALITY (S/D) (S1,S2) : 40/20
- SURFACE POWER (S1,S2) : $3\lambda/2 @ 632.8\text{ nm}$
- SURFACE IRREGULARITY(S1,S2): $\lambda/4 @ 632.8\text{ nm}$
- CENTRATION: $<3\text{ arcmin}$
- CHAMFER: $<0.2\text{ mm}, 45^\circ$
- AR COATING (S1,S2) : $R_{\text{avg}} < 0.5\% @ 1100\text{ nm}-1650\text{ nm}$ ($6^\circ AOI$, single)

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|--|--------|-------------|---------------------|----------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| | | | | | | |
| | | NAME | DATE | MAD408-C | | |
| DRAWN | SHAN | MAY./7th/25 | ACHROMATIC DOUBLETS | | | |
| APPROVAL | WCHENG | MAY./7th/25 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | N/A | 21.33 g | 2:1 | A |