



NOTES/SPECIFICATIONS:

1. MATERIAL: BARIUM FLUORIDE PER MIL-G-174B
Nd: 1.474 ± 0.001 Vd: $81.608 \pm 1.0\%$
2. MANUFACTURE PER MIL-PRF-13830B
3. CHAMFER EDGES TO $0.25 \times 0.25 +0.25/-0.05$
4. CLEAR APERTURE: $\geq \varnothing 22.86$ mm
5. SURFACE QUALITY: 40-20 SCRATCH-DIG
6. SURFACE FLATNESS: $< \lambda/4$ AT 633 nm
7. PARALLELISM: < 1 arcmin
8. CHIPS ≤ 0.2 mm
9. EACH LOT OF OPTICS PRODUCED REQUIRES TEST DATA
VERIFYING COMPLIANCE TO SPECIFICATIONS

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|---|------|---|---|---|-------|-----|--|
| DRAWING PROJECTION | |  | |  | | | |
| | NAME | DATE | D25.4mm, BaF2 Window, 5mm Thick, Uncoated | | | | |
| DRAWN | CWD | 2022/5/18 | WG0254-5-1 | | | | |
| APPROVAL | ZSB | 2022/5/18 | MATERIAL | WEIGHT | SCALE | REV | |
| FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES | | | BARIUM FLUORIDE | | 1:1 | A | |