



NOTES

1. DIAMETER TOLERANCE: $+0/-0.2$ mm
2. THICKNESS TOLERANCE: ± 0.2 mm
3. OPERATION WAVELENGTH: 650 nm–2000 nm
4. EXTINCTION RATIO:
 - >100000:1@850 nm–1600 nm
 - >10000:1@750 nm–1800 nm
 - >1000:1@650 nm–2000 nm
5. TRANSMITTANCE(UNCOATED):
 - >76% UP TO 87%@650 nm–2000 nm
6. CLEAR APERTURE: >90%CA
7. WAVEFRONT ERROR($\phi 10$ mm): $< \lambda / 4 @ 633$ nm
8. SURFACE QUALITY (S/D) : 40/20
9. PARALLELISM: < 1 arcmin
10. ACCEPTANCE ANGLE: $\pm 20^\circ$
11. DAMAGE THRESHOLD:
 - CONTINUOUS BLOCK: 1 W/cm^2
 - CONTINUOUS PASS: 5 W/cm^2
12. OPERATING TEMPERATURE: -20°C TO $+120^\circ \text{C}$

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| DRAWING PROJECTION | | | LBTEK | | | |
| | NAME | DATE | | | | |
| DRAWN | LZHOU | MAR./20th/24 | NANOPARTICLE LINEAR POLARIZER $\phi 25.0$ mm \times 2.0 mm, 650 nm–2000 nm | | | |
| APPROVAL | WCHENG | MAR./20th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | SILVER NANOPARTICLES & SODA LIME GLASS | 2.51 g | 2:1 | A |