



NOTES

1. DIAMETER TOLERANCE: $+0/-0.2$ mm
2. THICKNESS TOLERANCE: ± 0.2 mm
3. OPERATION WAVELENGTH: 480 nm–550 nm
4. EXTINCTION RATIO:
 $>10000:1 @ 480 \text{ nm} - 550 \text{ nm}$
5. TRANSMITTANCE(UNCOATED):
 $>58\%$ UP TO $76\% @ 480 \text{ nm} - 550 \text{ nm}$
6. CLEAR APERTURE: $>90\% CA$
7. WAVEFRONT ERROR($\phi 10$ mm): $< \lambda / 4 @ 633 \text{ nm}$
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: $-20^\circ \text{ C TO } +120^\circ \text{ C}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE	NFLP12-VIS500			
DRAWN	LZHOU	Aug./5th/24	NANOPARTICLE LINEAR POLARIZER $\phi 12.5 \text{ mm} \times 2.0 \text{ mm}, 480 \text{ nm} - 550 \text{ nm}$			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			SILVER NANOPARTICLES & SODA LIME GLASS	0.63 g	4:1	A