



NOTES

1. DIAMETER TOLERANCE: +0/-0.2 mm
2. THICKNESS TOLERANCE: ±0.05 mm
3. OPERATION WAVELENGTH: 1500 nm-5000 nm
4. EXTINCTION RATIO:  
 >10000:1@2000 nm-4500 nm  
 >1000:1@1500 nm-5000 nm
5. TRANSMITTANCE(UNCOATED):  
 >65% UP TO 90%@2000 nm-4500 nm  
 >35% UP TO 90%@1500 nm-5000 nm
6. CLEAR APERTURE: >90%CA
7. WAVEFRONT ERROR( $\varnothing$  10 mm): <3 $\lambda$  @633 nm
8. SURFACE QUALITY(S/D): 60/40
9. PARALLELISM: <20 arcmin
10. ACCEPTANCE ANGLE: ±20°
11. DAMAGE THRESHOLD:  
 CONTINUOUS BLOCK: 10 W/cm<sup>2</sup>  
 CONTINUOUS PASS: 25 W/cm<sup>2</sup>
12. OPERATING TEMPERATURE: -50° C TO +400° C

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE				
DRAWN	LZHOU	Aug./5th/24	NANOPARTICLE LINEAR POLARIZER $\varnothing$ 12.5 mm x 2.0 mm, 1500 nm-5000 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			SILVER NANOPARTICLES & SODA LIME GLASS	0.25 g	4:1	A