



NOTES

1. CLEAR APERTURE: $\varnothing 20.32\text{mm}$
2. DIAMETER TOLERANCE: $+0.0/-0.2\text{ mm}$
3. EXTINCTION RATIO: $T_p/T_s > 1000:1$
4. DESIGN WAVELENGTH: 365 nm
5. TRANSMITTED BEAM DEVIATION: $\leq 0^\circ \pm 5\text{ arcmin}$
6. REFLECTED BEAM DEVIATION: $\leq 90^\circ \pm 5\text{ arcmin}$
7. SURFACE QUALITY(S/D): $40/20$
8. WAVEFRONT ERROR: $< \lambda/4 @ 633\text{ nm}, \varnothing 20.32\text{mm}$
9. AR COATING(S1,S2,S3,S4): V Coating @ 365 nm , $R_{\text{abs}} < 0.25\%$, 6° AOI , single-side coating
10. S POLARIZATION REFLECTION: $> 99.5\%$
11. P POLARIZATION TRANSMISSION: $> 97\%$
12. DAMAGE THRESHOLD: $> 7.5\text{ J/cm}^2 @ 532\text{ nm}, 10\text{ ns}, 10\text{ Hz}$
 $> 15\text{ J/cm}^2 @ 1064\text{ nm}, 10\text{ ns}, 10\text{ Hz}$
13. CHAMFER: $< 0.2\text{ mm} \times 45^\circ$
14. OPERATING TEMPERATURE: $-250^\circ \sim 900^\circ$
15. GLUED(S5,S6): LIGHT GLUE PROCESS

DRAWING PROJECTION			LBTEK			
	NAME	DATE				
DRAWN	BSHU	Feb./3rd/24	POLARIZATION BEAM SPLITTER			
APPROVAL	WCHENG	Feb./3rd/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	41 g	3:2	A