



NOTES

1. CLEAR APERTURE:  $\varnothing 20.32\text{mm}$
2. DIAMETER TOLERANCE:  $+0.0/-0.2\text{ mm}$
3. EXTINCTION RATIO:  $T_p/T_s > 3000:1$
4. DESIGN WAVELENGTH:  $460\text{ nm}$
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):  $20/10$
8. WAVEFRONT ERROR:  $< \lambda/8 @ 633\text{ nm}, \varnothing 20.32\text{mm}$
9. AR COATING(S1,S2,S3,S4): V Coating @  $460\text{ nm}$ ,  $R_{\text{abs}} < 0.25\%$ ,  $6^\circ\text{ AOI}$ , 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			<b>LBTEK</b>			
	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