



NOTES

1. DESIGN WAVELENGTH: 486.1 nm, 587.6 nm & 656.3 nm
2. CLEAR APERTURE:  $>90\%CA$
3. OPERATION WAVELENGTH: 400 nm–700 nm
4. DIAMETER TOLERANCE:  $+0.0/-0.1\text{ mm}$
5. THICKNESS TOLERANCE:  $\pm 0.1\text{ mm}$
6. FOCAL LENGTH:  $150.0\text{ mm} \pm 1\% @ 587.6\text{ nm}$
7. BACK FOCAL LENGTH(REF): 140.4 mm
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE POWER(S1,S2):  $3\lambda/2 @ 632.8\text{ nm}$
10. SURFACE IRREGULARITY(S1,S2):  $\lambda/4 @ 632.8\text{ nm}$
11. CENTRATION:  $<3\text{ arcmin}$
12. CHAMFER:  $<0.2\text{ mm}, 45^\circ$
13. COATING(S1,S2): AR COATING  $R_{\text{avg}} < 0.5\% @ 400\text{ nm} - 700\text{ nm}$

	MATERIAL
①	N-BK7
②	SF5

DRAWING PROJECTION		<b>LBTEK</b>				
		AD510-A				
DRAWN	BSHU	DATE	$\phi 50.8\text{ mm}, F=150.0\text{ mm}$ ACHROMATIC DOUBLETS AR COATING 400-700 nm			
APPROVAL	WCHENG	DATE	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7/SF5	195.55g	10:1	A