



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 mm
5. THICKNESS TOLERANCE: ±0.1 mm
6. FOCAL LENGTH: 75.0 mm ±1% @ 587.6 nm
7. BACK FOCAL LENGTH(REF): 70.3 mm
8. SURFACE QUALITY(S/D)(S1, S2): 40/20
9. SURFACE POWER(S1, S2): $3\lambda/2$ @ 632.8 nm
10. SURFACE IRREGULARITY(S1, S2): $\lambda/4$ @ 632.8 nm
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1, S2): AR COATING R_{avg} <0.5% @ 400 nm-700 nm

	PART DESCRIPTION	MATERIAL
①	SM1-12.5A	ANODIZED ALUMINIUM
②	AD412-A	N-BK7
		SF5
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION			LBTEK			
			MAD412-A			
DRAWN	BSHU	Aug./5th/24	ϕ 25.4 mm, F=75.0 mm ACHROMATIC DOUBLETS AR COATING 400-700 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7/SF5	56.84g	2:1	B