



	PART DESCRIPTION	MATERIAL
①	SM1-16.5A	ANODIZED ALUMINIUM
②	AD415-A	N-BK7
		SF5
③	SM1R	ANODIZED ALUMINIUM

NOTES

- DESIGN WAVELENGTH: 486.1 nm, 587.6 nm & 656.3 nm
- CLEAR APERTURE: >90%CA
- OPERATION WAVELENGTH: 400 nm-700 nm
- DIAMETER TOLERANCE: +0.0/-0.1 mm
- THICKNESS TOLERANCE: ±0.1 mm
- FOCAL LENGTH: 40.0 mm ±1% @ 587.6 nm
- BACK FOCAL LENGTH(REF): 33.4 mm
- SURFACE QUALITY(S/D)(S1, S2): 40/20
- SURFACE POWER(S1, S2): $3\lambda/2 @ 632.8\text{ nm}$
- SURFACE IRREGULARITY(S1, S2): $\lambda/4 @ 632.8\text{ nm}$
- CENTRATION: <3 arcmin
- CHAMFER: <0.2 mm, 45°
- COATING(S1, S2): AR COATING $R_{avg} < 0.5% @ 400\text{ nm}-700\text{ nm}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE	MAD415-A			
DRAWN	BSHU	Aug./5th/24	Ø 25.4 mm, F=40.0 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-BAF10/N-SF6HT	51.11g	2:1	B