



	PART DESCRIPTION	MATERIAL
①	SM05-8A	ANODIZED ALUMINIUM
②	CC20310-UV	UVFS
③	SM05R	ANODIZED ALUMINIUM



NOTES

- DESIGN WAVELENGTH: 587.6 nm
- OPERATION WAVELENGTH: 245 nm-400 nm
- DIAMETER TOLERANCE: +0.0/-0.1 mm
- THICKNESS TOLERANCE: ±0.1 mm
- FOCAL LENGTH: -50.0 mm±1%
- BACK FOCAL LENGTH(REF): -52.4 mm
- CLEAR APERTURE: >90%CA
- SURFACE QUALITY(S/D)(S1.S2): 40/20
- SURFACE FLATNESS(S1):  $\lambda/2$  @ 632.8 nm
- SURFACE POWER(S2):  $3\lambda/2$  @ 632.8 nm
- SURFACE IRREGULARITY(S2):  $\lambda/4$  @ 632.8 nm
- CENTRATION: <3 arcmin
- CHAMFER: <0.2 mm, 45°
- COATING(S1,S2): AR COATING Ravg <0.5% @ 245 nm-400 nm

DRAWING PROJECTION									
								MCC20310-UV	
DRAWN		BSHU	DATE		Aug./19th/24		$\phi$ 12.7 mm, f=-50.0 mm PLANO CONCAVE LENS AR COATING 245-400 nm		
APPROVAL		WCHENG	DATE		Aug./19th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES						UVFS	9.63 g	2:1	B