



SECTION A-A

NOTES/SPECIFICATIONS:

- DESIGN WAVELENGTH: 587.6nm
- FOCAL LENGTH:  $f=498.3\text{mm} \pm 1\%$
- BACK FOCAL LENGTH(REF):  $bf=496.9\text{mm}$
- CLEAR APERTURE:  $>90\%$
- SURFACE QUALITY: 40-20 SCRATCH-DIG
- CENTRATION:  $<3\text{arcmin}$
- DIAMETER TOLERANCE:  $+0.0/-0.1\text{mm}$
- THICKNESS TOLERANCE:  $\pm 0.1\text{mm}$
- COATING: BBAR  $R_{\text{avg}} < 0.5\%$  FROM 650nm-1050nm,  $0^\circ$  AOI, ON OUTER OPTICAL SURFACES

ALL DIMENSIONS ARE IN THE FORM  $\frac{\text{[in]}}{\text{mm}}$ .

THIS DRAWING IS FOR INFORMATION ONLY  
NOT INTENDED FOR MANUFACTURING

DRAWING PROJECTION							
	NAME	DATE	D50.8 F=500.0 N-EK7 B Coated Bi Convex Lens				
DRAWN	CWD	2022/5/18	EX1508-500-B				
APPROVAL	ZSE	2022/5/18	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			N-EK7		1:1	A	