



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 4 μ m
2. FOCAL LENGTH: $f = -50.0\text{mm} \pm 2\%$
3. BACK FOCAL LENGTH(REF): $bf = -49.2\text{mm}$
4. CLEAR APERTURE: $> \varnothing 22.86\text{mm}$
5. SURFACE QUALITY: 40-20 SCRATCH-DIG
6. CENTRATION: $< 3\text{arcmin}$
7. DIAMETER TOLERANCE: $+0.0/-0.1\text{mm}$
8. THICKNESS TOLERANCE: $\pm 0.1\text{mm}$
9. COATING: BBAR $R_{\text{avg}} < 1.25\%$ FROM 2.0-5.0 μm , 0° AOI ON BOTH OPTICAL SURFACES

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com	
NAME	DATE	CaF ₂ - MENISCUS LENS, $\varnothing 25.4\text{mm}$, $f = -50\text{mm}$, BBAR: 2.0-5.0 μm		
DRAWN	KMR	21/MAY/18	MATERIAL	VACUUM UV GRADE CALCIUM FLUORIDE
APPROVAL	BW	21/MAY/18	REV	C
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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LF5414-E	10.3g