



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6  $\mu\text{m}$
2. FOCAL LENGTH:  $f=20.0\text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF):  $bf=18.9\text{ mm}$
4. CLEAR APERTURE:  $> \phi 10.2\text{ mm}$
5. SURFACE QUALITY (S1, S2): 60-40 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 (S1, S2): BBAR 4.5-7.5  $\mu\text{m}$ ,  $R_{\text{avg}} < 1.0\%$ ,  $R_{\text{abs}} < 2.0\%$ ,  $T_{\text{avg}} > 97\%$ ,  $T_{\text{abs}} > 94\%$ ,  $0^\circ\text{ AOI}$

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			 <a href="http://www.thorlabs.com">www.thorlabs.com</a> ZnSe PLANO-CONVEX LENS, $\phi 12.7\text{ mm}$ , $f=20\text{ mm}$ , BBAR: 4.5-7.5 $\mu\text{m}$	
	NAME	DATE		
DRAWN	GG	30/MAY/19	MATERIAL <b>ZINC SELENIDE</b>	
APPROVAL	DD	30/MAY/19		
COPYRIGHT © 2019 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LA7733-E2	2 g
				REV A