



NOTES/SPECIFICATIONS:

1. CLEAR APERTURE: > 80% DIAMETER
2. SURFACE FLATNESS (S1): <  $\lambda/4$  AT 632.8 nm OVER CLEAR APERTURE
3. SURFACE QUALITY (S1): 20-10 SCRATCH-DIG
4. PARALLELISM:  $\leq 5$  arcmin
5. THICKNESS TOLERANCE:  $\pm 0.10$  mm
6. DIAMETER TOLERANCE: +0.00/-0.10 mm
7. COATING (S1): Low GDD Pump Through Mirror  
 S- and P-POLARIZATION:  $R > 99.5\%$  @  $10^\circ$  AOI, 1030 – 1080 nm, |GDD| < 200 fs<sup>2</sup>  
 S- and P-POLARIZATION:  $R < 5\%$  @  $4 - 16^\circ$  AOI, 940 – 980 nm
8. COATING (S2): Broadband AR  
 S- and P-POLARIZATION:  $R < 1\%$  @  $4 - 16^\circ$  AOI, 940 – 1080 nm

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> www.thorlabs.com $\phi$ 12.7 mm LOW GDD PUMP-THROUGH MIRROR FOR Yb LASERS	
DRAWN	NAME	DATE		
APPROVAL	S Do.	4/4/2022	MATERIAL	
COPYRIGHT © 2022 BY THORLABS			FUSED SILICA	
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			UM05-YDM	2 g
			REV	A