



NOTES/SPECIFICATIONS:

1. CLEAR APERTURE: > 80% DIAMETER
2. SURFACE FLATNESS (S1):  $< \lambda/10$  AT 632.8 nm OVER CLEAR APERTURE
3. SURFACE QUALITY (S1): 20-10 SCRATCH-DIG
4. PARALLELISM:  $\leq 3$  arcmin
5. THICKNESS TOLERANCE:  $\pm 0.20$  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° AOI, 940 – 980 nm
8. COATING (S2): Broadband AR  
 S- and P-POLARIZATION:  $R < 1\%$  @ 4-16° AOI, 940 – 1080 nm

FOR INFORMATION ONLY  
 NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> <a href="http://www.thorlabs.com">www.thorlabs.com</a> $\varnothing 25.4$ mm LOW GDD PUMP- THROUGH MIRROR FOR Yb LASERS	
NAME	DATE			
DRAWN	S Do.	4/4/2022	MATERIAL <b>FUSED SILICA</b>	
APPROVAL	S Do.	6/1/2022		
COPYRIGHT © 2022 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			UM10-YDM	11 g