



NOTES/SPECIFICATIONS:

1. CLEAR APERTURE:  $> \phi 5.95\text{ mm}$
2. SURFACE FLATNESS:  $\lambda/10$  AT 633 nm OVER CLEAR APERTURE
3. SURFACE QUALITY: 10-5 SCRATCH-DIG
4. BACK SURFACE: FINE GROUND
5. PARALLELISM:  $\leq 3$  arcmin
6. THICKNESS TOLERANCE:  $\pm 0.2\text{ mm}$
7. DIAMETER TOLERANCE:  $+ 0.0/-0.1\text{ mm}$
8. DESIGN WAVELENGTH RANGE: 750-1100 nm
9. COATING: BROADBAND HR, DIELECTRIC  
 $R_{s\text{ avg}}$ :  $>99\%$  FROM 750-1100 nm  
 $R_{p\text{ avg}}$ :  $>99\%$  FROM 750-1100 nm  
 AOI:  $0^\circ$  TO  $45^\circ$
10. DAMAGE THRESHOLD:  $1\text{ J/cm}^2$ , 10 ns PULSE, 10 Hz AT 810 nm  
 $0.5\text{ J/cm}^2$ , 10 ns PULSE, 10 Hz AT 1064 nm

FOR INFORMATION ONLY  
 NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> www.thorlabs.com $\phi 7.0\text{ mm}$ BROADBAND MIRROR 750-1100 nm	
NAME	DATE			
DRAWN	ST	27/NOV/17	MATERIAL <b>FUSED SILICA</b>	
APPROVAL	BW	04/NOV/21		
COPYRIGHT © 2021 BY THORLABS <small>VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS</small>			ITEM # <b>BB03-E03</b>	APPROX WEIGHT <b>0.17 g</b>
			REV	<b>B</b>