



NOTES/SPECIFICATIONS:

1. CLEAR APERTURE:  $> \text{Ø } 22.86 \text{ mm}$
2. DIAMETER TOLERANCE:  $+0.0 \text{ mm}/-0.2 \text{ mm}$
3. THICKNESS TOLERANCE:  $\pm 0.1 \text{ mm}$
4. WEDGE TOLERANCE:  $\pm 10 \text{ arcmin}$
5. SURFACE FLATNESS:  $\lambda/5$  AT 633 nm
6. SURFACE QUALITY 20-10 SCRATCH-DIG
7. COATING S1: 400-700 nm BEAMSPLITTER COATING
8. COATING S2: BBAR COATING FOR 400-700 nm  
 $R_{\text{avg}} < 1\%$  WITHIN WAVELENGTH RANGE AT  $45^\circ$  AOI
9. OVERALL PERFORMANCE: Tabs  $30 \pm 8\%$ , Rabs  $70 \pm 8\%$   
 Tabs+Rabs  $> 99\%$ ,  $|T_s - T_p| < 35\%$  and  $|R_s - R_p| < 35\%$ , 400-700 nm,  $45^\circ$  AOI

FOR INFORMATION ONLY  
 NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> www.thorlabs.com $\text{Ø } 25.4 \text{ mm}$ BEAMSPLITTER PLATE 30:70	
NAME	DATE			
DRAWN	JR	15/APR/15	MATERIAL UV FUSED SILICA	
APPROVAL	BW	15/OCT/21		
COPYRIGHT © 2021 BY THORLABS			ITEM #	APPROX WEIGHT
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			BST10	6g

REV  
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