



NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 900-1300 nm
2. CLEAR APERTURE: >8.0 mm X 8.0 mm
3. TRANSMITTED WAVEFRONT ERROR: $<\lambda/4$ OVER \varnothing 8.0 mm AT 633 nm
4. DIMENSIONAL TOLERANCE: +0.0/-0.2 mm
5. SURFACE QUALITY: 40-20 SCRATCH-DIG
6. TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5$ arcmin
7. REFLECTED BEAM DEVIATION: $90^\circ \pm 5$ arcmin
8. OVERALL PERFORMANCE:
 - EXTINCTION RATIO: >1000:1
 - TRANSMISSION EFFICIENCY: $T_p > 90\%$
 - REFLECTION EFFICIENCY: $R_s \text{ avg} > 95\%$
9. COATING (ALL OUTER OPTICAL SURFACES): BBAR 900-1300 nm, $R_{\text{avg}} < 0.5\%$

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com	
NAME	DATE			
DRAWN	DPS	09/NOV/21	10 mm POLARIZING BEAMSPLITTER CUBE 900-1300 nm	
APPROVAL	DD	09/NOV/21	MATERIAL	REV
COPYRIGHT © 2021 BY THORLABS			N-SF1	E
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			PBS103	3 g