



NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 420-680 nm
2. CLEAR APERTURE: >20.32 mm X 20.32 mm
3. TRANSMITTED WAVEFRONT ERROR: < $\lambda/4$  OVER  $\varnothing$  20.32 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 420-680 nm,  $R_{\text{avg}} < 0.5\%$

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> www.thorlabs.com 25.4 mm POLARIZING BEAMSPLITTER CUBE 420-680 nm	
NAME	DATE			
DRAWN	DPS	09/NOV/21	MATERIAL	
APPROVAL	DD	09/NOV/21		
COPYRIGHT © 2021 BY THORLABS			N-SF1	REV E
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			PBS251	50 g