



NOTES/SPECIFICATIONS:

1. WAVELENGTH RANGE: 400nm-700nm
2. CLEAR APERTURE: >80% OF ENTRANCE FACE
3. SURFACE FLATNESS: $\lambda/10$ AT 633nm
4. WAVEFRONT DISTORTION: $<\lambda/4$ AT 633nm
5. SURFACE QUALITY: 40-20 SCRATCH-DIG
6. DIMENSION TOLERANCE: +0.0/-0.2
7. SPLITTER RATIO: 50:50
8. TRANSMITTED BEAM DEVIATION: <5 arcmin
9. REFLECTED BEAM DEVIATION: $90^\circ \pm 5$ arcmin
10. SPLITTER RATIO TOLERANCE: $<15\%$ OVER ENTIRE WAVELENGTH RANGE | $T_p - T_s$ | $<15\%$ AND | $R_p - R_s$ | $<15\%$
11. COATING (ALL 4 OUTER OPTICAL SURFACES):
BBAR COATING $R_{avg} < 0.5\%$ at 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com	
	NAME	DATE	25.4mm NON-POLARIZING 50:50 BEAMSPLITTER CUBE 400-700nm	
DRAWN	RP	07/JUL/11	MATERIAL	
APPROVAL	PM	07/DEC/11	N-BK7 GRADE A	REV D
COPYRIGHT © 2011 BY THORLABS			ITEM #	APPROX WEIGHT
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			BS013	0.15 kg