



NOTES/SPECIFICATIONS:

1. CLEAR APERTURE: >40.64mm OF ENTRANCE FACE
2. SURFACE QUALITY: 40-20 SCRATCH-DIG
3. TRANSMITTED WAVEFRONT ERROR: $<\lambda$ AT 633nm
4. REFLECTED WAVEFRONT ERROR: $<\lambda$ AT 633nm
5. SURFACE FLATNESS: $<\lambda/4$ AT 633nm
6. TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5$ arcmin
7. REFLECTED BEAM DEVIATION: $90^\circ \pm 5$ arcmin
8. COATING(S1, S2, S3, S4): BBAR, $R_{avg} < 0.5\%$, 400-700nm, 0° AOI
9. COATING(S5): SPLITTER COATING AND NOA61 OPTICAL CEMENT
10. OVERALL PERFORMANCE: $T_{abs} = 47 \pm 10\%$, $R_{abs} = 47 \pm 10\%$, $T_{avg} + R_{avg} > 85\%$, $T_{abs} + R_{abs} > 80\%$ 450-700nm, $T_{abs} + R_{abs} > 75\%$ 400-450nm, $|T_s - T_{pl}| < 10\%$ AND $|R_s - R_{pl}| < 10\%$, 400-700nm, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			 www.thorlabs.com 50.8mm NON-POLARIZING 50:50 BEAMSPLITTER CUBE 400-700nm	
NAME	DATE			
DRAWN	MG	05/MAY/15	MATERIAL N-BK7	
APPROVAL	DD	10/JULY/15		
COPYRIGHT © 2015 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			BS031	0.33 kg
				REV A