



SCALE 4:1

NOTES/SPECIFICATIONS:

1. WEDGE TOLERANCE: ± 10 arcmin
2. CLEAR APERTURE: $>90\%$ OF CENTRAL DIAMETER
3. DIAMETER TOLERANCE: $+0.0/-0.2$ mm
4. CENTER THICKNESS TOLERANCE: ± 0.4 mm
5. SURFACE QUALITY: 20-10 SCRATCH-DIG
6. SURFACE FLATNESS: $\lambda/4$ @ 633nm OVER THE CLEAR APERTURE
7. COATING S1: 350-1100nm BEAMSPLITTER COATING AT 45° AOI
8. SPLIT RATIO: 50:50
9. SPLIT RATIO TOLERANCE: $\pm 12\%$ OVER ENTIRE WAVELENGTH RANGE (UNPOLARIZED ONLY)
10. POLARIZATION RELATIONSHIP: $|T_s - T_p| < 40\%$ and $|R_s - R_p| < 40\%$
11. COATING S2: BBAR COATING FOR 350-1100nm
 $R_{avg} < 2.0\%$ WITHIN WAVELENGTH RANGE AT 45° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING
PROJECTION



	NAME	DATE
DRAWN	GG	10/JUL/11
APPROVAL	PM	18/MAY/12

COPYRIGHT © 2011 BY THORLABS

VALUES IN PARENTHESIS ARE CALCULATED
AND MAY CONTAIN ROUND OFF ERRORS

THORLABS

www.thorlabs.com

Ø12.7mm 50:50 BEAMSPLITTER,
COATED: 350-1100nm, T = 3mm

MATERIAL	REV
UV FUSED SILICA	C
ITEM #	APPROX WEIGHT
BSW25	1g