



DOT PLACED ON PRISM WITH
COATED SURFACE INDICATING
RECOMMENDED ENTRANCE FACES

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

DIMENSIONS IN [in]
mm

NOTE:
FOR INFORMATIONAL PURPOSES ONLY.
NOT FOR MANUFACTURING.

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TITLE: 25.4mm NON-POLARIZING 50:50
BEAMSPLITTER CUBE 400-700nm

MATERIAL: BK7 GRADE A SIZE A REV. B

SCALE: 1:1 SHEET 1 OF 1

DWG. NO. 3618-E01 PART NO. BS013

	NAME	DATE
DRAWN	AP	04/20/06
ENG APPR.	DJ	01/16/09
MFG APPR.	PM	02/06/09

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