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12.7mm 355nm, High Energy Polarizing Cube Beamsplitter

Laser Line High Energy Polarizing Cube Beamsplitters

Stock **#88-232** **3 In Stock**

- 1 +

£720.00

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Volume Pricing	
Qty 1-10	**£720.00** each
Qty 11-25	**£584.00** each
Qty 26-99	**£528.00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture (%):

90

Construction:

Cube

Dimensions (mm):
12.7 x 12.7 x 12.7 +0.0/-0.3

Optical Properties

Beam Deviation (arcmin):
<3

Design Wavelength DWL (nm):
355

Extinction Ratio:
1000:1

Reflection (%):
R_s >99.5%@355nm

Substrate:
Fused Silica (Corning 7980)

Surface Flatness (P-V):
λ/6

Surface Quality:
40-20

Transmission (%):
T_p >96% @ 355nm

Wavelength Range (nm):
345 - 365

Damage Threshold, By Design:
Typical: 20 J/cm^2 @ 1064nm 10ns, 20Hz

Regulatory Compliance

RoHS 2015:
Compliant

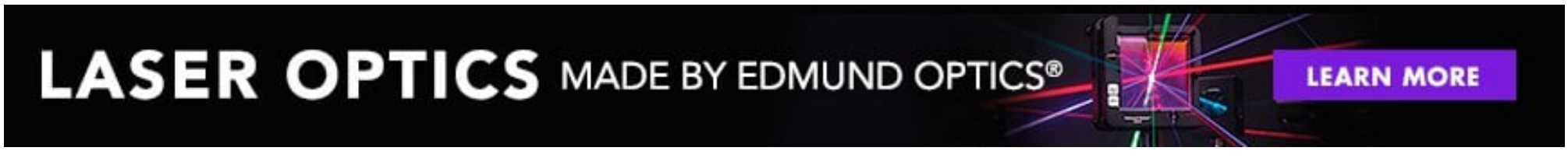
Certificate of Conformance:
View

Reach 247:
Compliant

Product Details

- Optically Contacted Design Increases Damage Threshold and Eliminates Cement Fluorescence
- Greater than 96% Transmission of P-Polarized Light
- High Extinction Ratio of Greater than 1000:1

Laser Line High Energy Polarizing Cube Beamsplitters are an easy-to-mount, high contrast alternative to Brewster windows. The beamsplitters feature greater than 96% transmission of p-polarized light, along with an λ/6 surface flatness for minimal wavefront distortion. To increase the laser damage threshold and eliminate fluorescence, these polarizers are constructed by optically contacting, rather than cementing, UV Fused Silica Right Angle Prisms. Laser Line High Energy Polarizing Cube Beamsplitters are offered in a 12.7 x 12.7 x 12.7mm or 25.4 x 25.4 x 25.4mm size. The beamsplitters are available for use with a variety of common Nd:YAG laser wavelengths.



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