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12.7mm 405nm, High Energy Polarizing Cube Beamsplitter



Laser Line High Energy Polarizing Cube Beamsplitters

Stock **#71-024** [CONTACT US](#)

-

1

+

£700⁰⁰

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Volume Pricing	
Qty 1-10	£700.00 each
Qty 11-25	£568.00 each
Qty 26-99	£516.00 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Linear Polarizer

Type:

Physical & Mechanical Properties

90

Clear Aperture (%):

Construction:

Cube	
12.7 x 12.7 x 12.7 +0.0/-0.3	Dimensions (mm):
Optical Properties	
<3	Beam Deviation (arcmin):
405	Design Wavelength DWL (nm):
1000:1	Extinction Ratio:
R _s >99.5%@405nm	Reflection (%):
Fused Silica (Corning 7980)	Substrate: ☐
λ/6	Surface Flatness (P-V):
40-20	Surface Quality:
T _p >97% @ 405nm	Transmission (%):
395 - 415	Wavelength Range (nm):
Typical: 20 J/cm ² @ 1064nm 10ns, 20Hz	Damage Threshold, By Design: ☐
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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.

