

12.7mm 1550nm, High Energy Polarizing Cube Beamsplitter



Laser Line High Energy Polarizing Cube Beamsplitters

Stock **#71-029** [CONTACT US](#)

-

1

+

A\$1,400⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	A\$1,400.00 each
Qty 11-25	A\$1,136.00 each
Qty 26-99	A\$1,032.00 each
Need More?	Request Quote

Product Downloads

General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture (%):

90

Construction:

Cube

12.7 x 12.7 x 12.7 +0.0/-0.3		Dimensions (mm):
Optical Properties		
<3		Beam Deviation (arcmin):
1550		Design Wavelength DWL (nm):
1000:1		Extinction Ratio:
R _s >99.5%@1550nm		Reflection (%):
Fused Silica (Corning 7980)		Substrate: ☐
λ/6		Surface Flatness (P-V):
40-20		Surface Quality:
T _p >97% @ 1550nm		Transmission (%):
1520 - 1550		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.

