

# 12.7mm 755nm, High Energy Polarizing Cube Beamsplitter



Laser Line High Energy Polarizing Cube Beamsplitters

Stock **#71-027** [CONTACT US](#)

-

1

+

€875<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €875,00 each                  |
| Qty 11-25      | €710,00 each                  |
| Qty 26-99      | €645,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**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):                              |
| 755                                               | Design Wavelength DWL (nm):                           |
| 1000:1                                            | Extinction Ratio:                                     |
| R <sub>s</sub> >99.5%@755nm                       | Reflection (%):                                       |
| <a href="#">Fused Silica</a> (Corning 7980)       | Substrate: <input type="checkbox"/>                   |
| λ/6                                               | Surface Flatness (P-V):                               |
| 40-20                                             | Surface Quality:                                      |
| T <sub>p</sub> >97% @ 755nm                       | Transmission (%):                                     |
| 735 - 775                                         | Wavelength Range (nm):                                |
| Typical: 20 J/cm <sup>2</sup> @ 1064nm 10ns, 20Hz | Damage Threshold, By Design: <input type="checkbox"/> |
| Regulatory Compliance                             |                                                       |
| <a href="#">Compliant</a>                         | RoHS 2015:                                            |
| <a href="#">View</a>                              | Certificate of Conformance:                           |
| <a href="#">Compliant</a>                         | 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.

