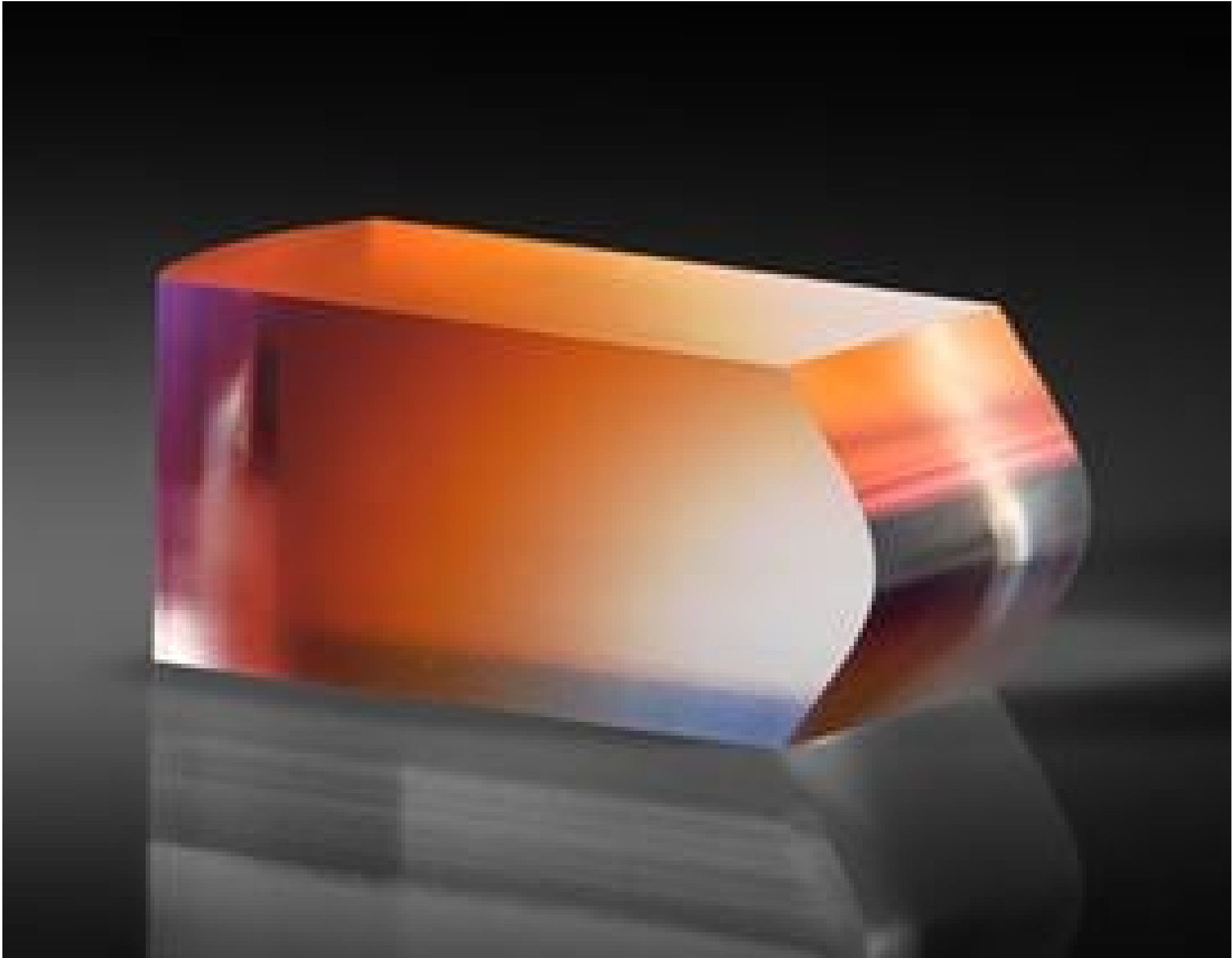


445nm Monolithic Collimator



Monolithic Collimator

Stock **#29-412** **3 In Stock**

-

1

+

C\$147⁰⁰

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Volume Pricing	
Qty 1-9	C\$147.00 each
Qty 10-25	C\$132.30 each
Qty 26-49	C\$124.60 each
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Product Downloads

General	
Beam Shaping Lens	Type:
Physical & Mechanical Properties	
1.90 x 1.90	Clear Aperture CA (mm):
2.50 x 2.50 ±0.05	Dimensions (mm):

5.78 ±0.05	Thickness (mm):
Optical Properties	
5.02	Effective Focal Length EFL (mm):
S-BSL7	Substrate: □
0.50 (Fast Axis) 0.20 (Slow Axis)	Numerical Aperture NA:
BBAR (400 - 700nm)	Coating:
400 - 700	Wavelength Range (nm):
1.19	Back Focal Length BFL (mm):
445	Design Wavelength DWL (nm):
1.526	Index of Refraction (n _d):
1.6 (Fast Axis, Typical) 7.0 (Slow Axis, Typical)	Divergence 1/e ² (mrad):
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- Simultaneously Collimate Light from Laser Diode Fast and Slow Axes
- Circularize Elliptical Output from Common Blue Laser Diodes
- Ideal for Light Collimation of Single Emitters in the Blue Spectrum

Monolithic Collimators feature a solid glass construction with two orthogonal cylindrical surfaces. The different focal lengths, optimized for numerical apertures of 0.5 and 0.2, simultaneously collimate light from the fast and slow axes of common single emitters. These collimators are capable of producing a symmetrical beam with a nearly round far-field profile. Monolithic Collimators are AR coated to provide high transmission across visible wavelengths and are ideal for beam shaping or laser diode collimation, particularly of blue TO-can diodes with wavelengths of 405nm, 445nm, 447nm, and 450nm.