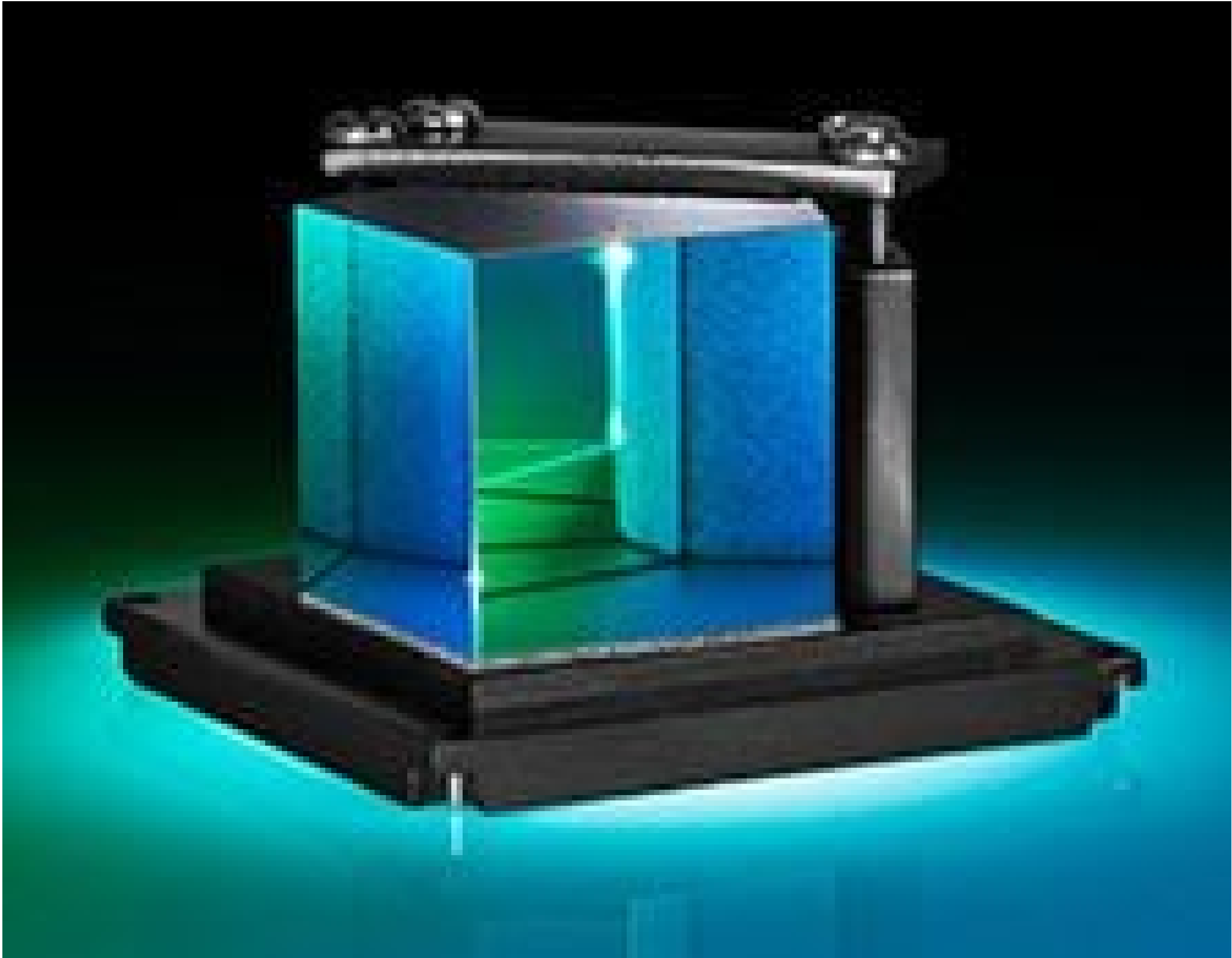
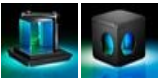


TECHSPEC[®] Penta Prism in C-Mount Cube



#53-401, Penta Prism in C-Mount Cube (Case Removed)



Stock **#53-401** [CONTACT US](#)

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+

S\$583⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-4	S\$583.80 each
Qty 5-9	S\$515.20 each
Qty 10-25	S\$474.18 each
Need More?	Request Quote

Product Downloads

General

Type:

Penta Prism

Physical & Mechanical Properties

Extension Length (mm):

38.0

±0.10	Dimensional Tolerance (mm):
Protective as needed	Bevel:
Housing: Black Anodized Aluminum	Construction:

25.00	Length of Legs (mm):
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Optical Properties

MgF ₂ & Aluminized	Coating:
N-BK7	Substrate: □

60-40	Surface Quality:
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3	Angle Tolerance (arcmin):
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Right-Handed	Image Orientation:
Entrance/Exit Faces: R _{avg} ≤1.75% @ 400 - 700nm Reflecting Surfaces: R _{avg} >85% @ 400 - 700nm w/Black Overpaint	Coating Specification:

90	Ray Deviation (°):
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400 - 700	Wavelength Range (nm):
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3.00	Power (fringes) @ 632.8nm:
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0.25	Irregularity (fringes) @ 632.8nm:
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Threading & Mounting

¼-20	Mounting Threads:
C-Mount (1" x 32 TPI)	Thread Type:

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

Compliant	Reach 251:
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Product Details

- Ray Deviation of 90°
- Right Handed Image
- Ideal for Visual/ Video Applications
- Easily Integrates with Our [C-Mount Components](#)

Designed for use with C-mount compatible hardware, our TECHSPEC® C-Mounted Penta Prism is quickly and easily integrated. A [TECHSPEC® N-BK7 Penta Prism](#) is fixed securely within a black anodized aluminum housing with two female C-mount apertures. Applications include space-restricted visual/video imaging systems requiring ray deviation of 90°. Entrance and exit faces (at the apertures) are anti-reflection coated to maximize efficiency and reduce the effect of double-images. A ¼-20 tapped hole in the base permits post mounting.

Penta prisms are five-sided prisms featuring a ray deviation of 90° and a right handed image. The reflecting surfaces are aluminized for increased efficiency. Slight movement of the prism does not affect the true right angle at which light rays are reflected, making a penta prism the ideal optical tool for defining a right angle in an optical system.

Technical Information

