

TECHSPEC[®] 12.5mm VIS, 50R/50T, Non-Polarizing Cube Beamsplitter



Stock #49-003 20+ In Stock

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1

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S\$375^{.20}

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Volume Pricing	
Qty 1-5	S\$375.20 each
Qty 6-25	S\$299.60 each
Qty 26-99	S\$281.40 each
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Product Downloads

General	
Non-Polarizing Beamsplitter	Type:
Physical & Mechanical Properties	
Protective as needed	Bevel:
>90	Clear Aperture (%):

Cube	Construction:
12.5 x 12.5 x 12.5 ±0.1	Dimensions (mm):
Optical Properties	
≤2	Beam Deviation (arcmin):
VS	Coating:
R _{avg} <0.5% @ 430 - 670nm	Coating Specification:
50/50	Reflection/Transmission Ratio (R/T):
N-BK7	Substrate: ☐
40-20	Surface Quality:
430 - 670	Wavelength Range (nm):
<6%	Ts-Tp :
45 ±10	Absolute Transmission (%):
45 ±5	Average Transmission (%):
1.25	Power (fringes) @ 632.8nm:
0.25	Irregularity (fringes) @ 632.8nm:
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Low Polarization Dependence: |Ts-Tp|<6%
- Constructed from High Tolerance Right Angle Prisms
- BBAR Coated Faces for Maximum Efficiency
- C-Mounted Visible and NIR [Cube Beamsplitters](#) Also Available

TECHSPEC® Broadband Non-Polarizing Cube Beamsplitters consist of a pair of precision high tolerance [right angle prisms](#) cemented together with a metallic dielectric coating on the hypotenuse of one of the prisms. The low polarization dependence of the metallic dielectric hybrid coating allows the transmission and reflection of S- and P-polarization states to be within 6% of each other. These beamsplitters feature anti-reflection (AR) coatings to maximize transmission across wavelengths ranging from 400-1620nm. TECHSPEC® Broadband Non-Polarizing Cube Beamsplitters are spectrally flat across their specified wavelength ranges, reducing effects caused by changes in the angle of incidence or converging/diverging beams. These beamsplitters are ideal for applications that require splitting of light, such as interferometers and polarimeters.

Technical Information

