

TECHSPEC[®] 35mm VIS, 50R/50T, Non-Polarizing Cube Beamsplitter



Stock **#47-571** [CONTACT US](#)

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1

+

£360^{.80}

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Volume Pricing	
Qty 1-5	£360.80 each
Qty 6-25	£288.80 each
Qty 26-99	£270.60 each
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Non-Polarizing Beamsplitter

Physical & Mechanical Properties

Bevel:

Protective as needed

Clear Aperture (%):

>90

Cube	Construction:
35.0 x 35.0 x 35.0 ±0.1	Dimensions (mm):
Optical Properties	
≤2	Beam Deviation (arcmin):
VIS	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 250:

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

