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TECHSPEC® 45mm 50R/50T Cube Beamsplitter



Stock #32-703 **20+ In Stock**

- 1 + S\$733.⁰⁰

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Volume Pricing	
Qty 1-5	S\$733.60 each
Qty 6-25	S\$586.60 each
Qty 26-99	S\$539.00 each
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General

Standard Beamsplitter **Type:**

Physical & Mechanical Properties

Protective as needed **Bevel:**

Cube **Construction:**

Dimensions (mm):
45.0 x 45.0 x 45.0 ±0.10

Optical Properties

Beam Deviation (arcmin):
±3

Coating:
M4 MgF₂ @ 550nm on Faces
Multilayer Dielectric on Hypotenuse

Reflection/Transmission Ratio (R/T):
50/50

Reflection/Transmission Tolerance (%):
±5

Substrate:
N-BK7

Surface Quality:
60-40

Wavelength Range (nm):
400 - 700

Power (fringes) @ 632.8nm:
1.25

Irregularity (fringes) @ 632.8nm:
0.25

Regulatory Compliance

RoHS 2015:
Compliant

Reach 223:
Compliant

Certificate of Conformance:
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Need different specs or modifications?

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

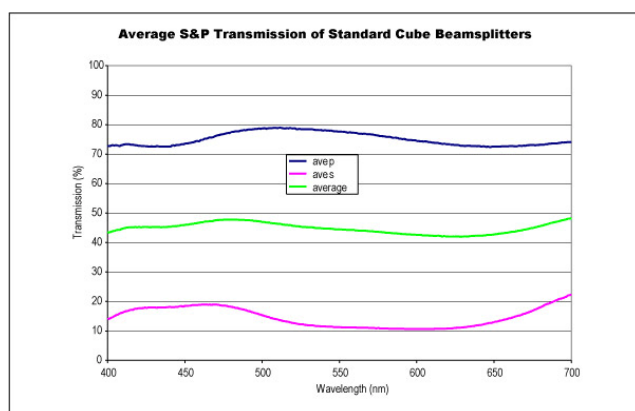
Output is partially polarized. If polarization sensitivity is critical to your application, we recommend using [TECHSPEC® Polarizing Beamsplitters](#) or [TECHSPEC® Non-Polarizing Beamsplitters](#).

- Multi-Layer Dielectric Coating
- Available in 30/70, 70/30, or 50/50 Split Ratios
- Optimal for Applications Insensitive to Polarization

TECHSPEC® Cube Beamsplitters are constructed by cementing two right angle prisms together and are offered in a range of reflection/transmission ratios. Output is partially polarized, making this product suitable for illumination and other applications where polarization is not a concern. TECHSPEC® Cube Beamsplitters feature an interference coating which is applied to the hypotenuse surface of one of the prisms to provide the designated reflection/transmission ratio with minimal absorption loss.

Note: If polarization sensitivity is critical to your application, we recommend using [TECHSPEC® Polarizing Beamsplitters](#) or [TECHSPEC® Non-Polarizing Beamsplitters](#).

Technical Information





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