

TECHSPEC® 20mm NIR, 70R/30T, Non-Polarizing Cube Beamsplitter



Stock #13-439 **20+ In Stock**

⊖ 1 ⊕ €256^{.47}

ADD TO CART

Volume Pricing	
Qty 1-5	€256,47 each
Qty 6-25	€207,03 each
Qty 26-99	€189,52 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Non-Polarizing Beamsplitter

Physical & Mechanical Properties

Protective as needed	Bevel:
>90	Clear Aperture (%):
Cube	Construction:
20.0 x 20.0 x 20.0 ±0.1	Dimensions (mm):

Optical Properties

≤2	Beam Deviation (arcmin):
NIR	Coating:
$R_{avg} < 0.5\%$ @ 720 - 1080nm	Coating Specification:
70/30	Reflection/Transmission Ratio (R/T):
N-BK7	Substrate: □
40-20	Surface Quality:
720 - 1080	Wavelength Range (nm):
<6%	 Ts-Tp :
27 ±10	Absolute Transmission (%):
27 ±5	Average Transmission (%):
1.25	Power (fringes) @ 632.8nm:
0.25	Irregularity (fringes) @ 632.8nm:

Regulatory Compliance

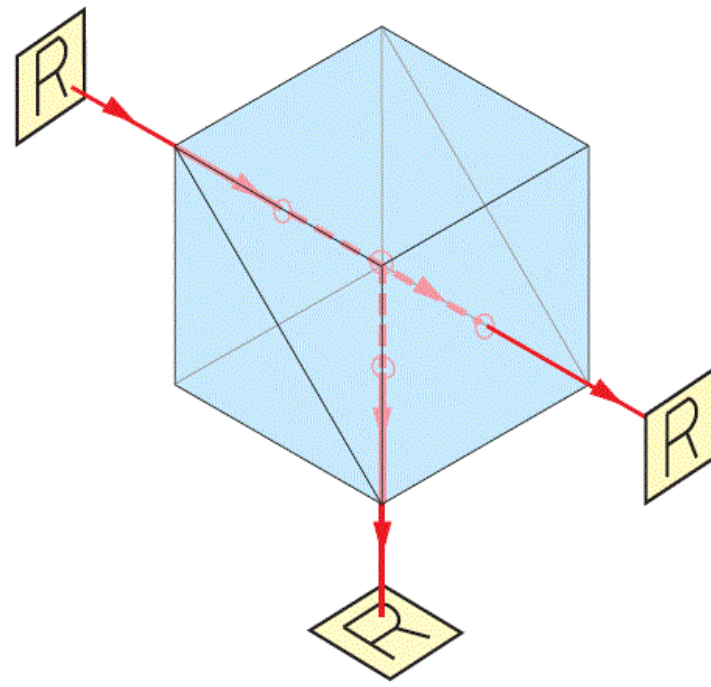
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

PRODUCT DETAILS

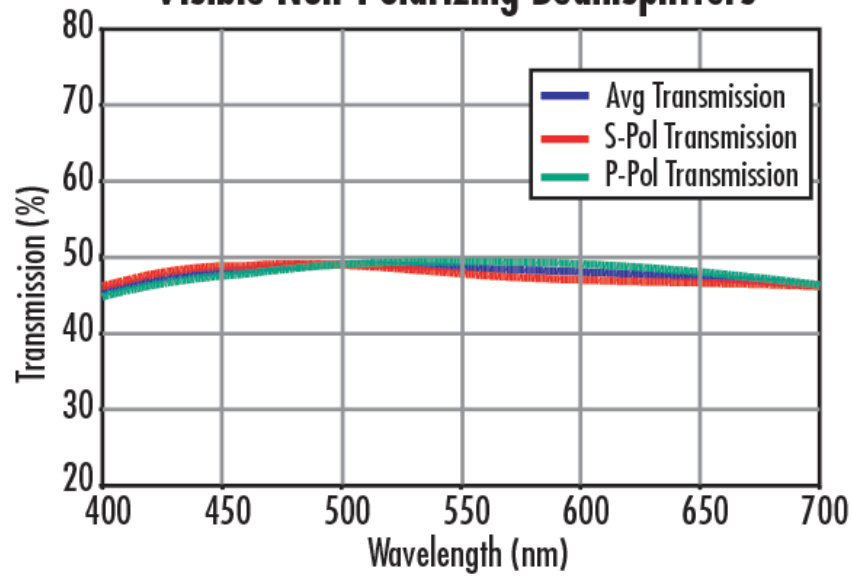
- Low Polarization Dependence: $|T_s - T_p| < 6\%$
- Constructed from High Tolerance Right Angle Prisms
- BBAR Coated Faces for Maximum Efficiency
- C-Mounted Visible and NIR [Cube Beamsplitters](#) Also Available

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.

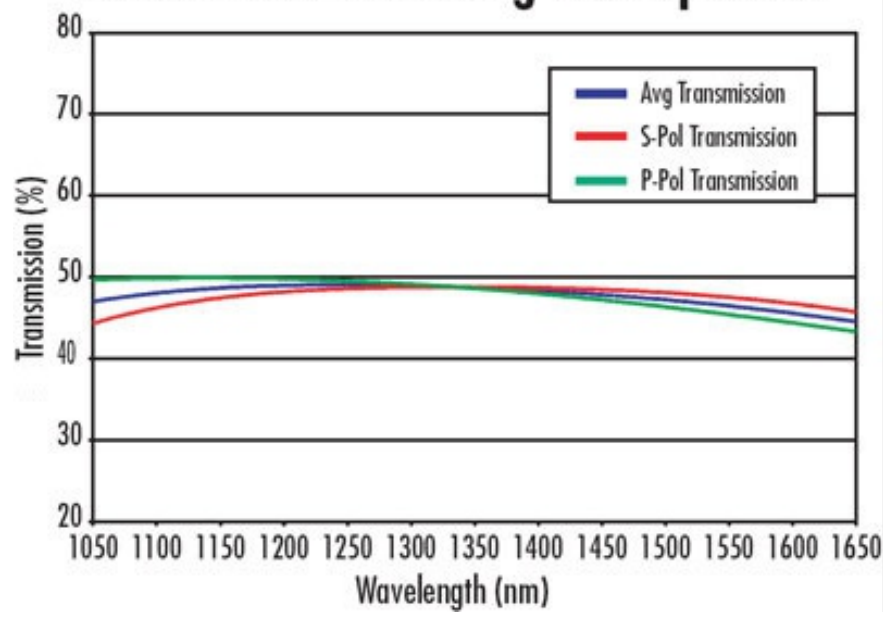
TECHNICAL INFORMATION



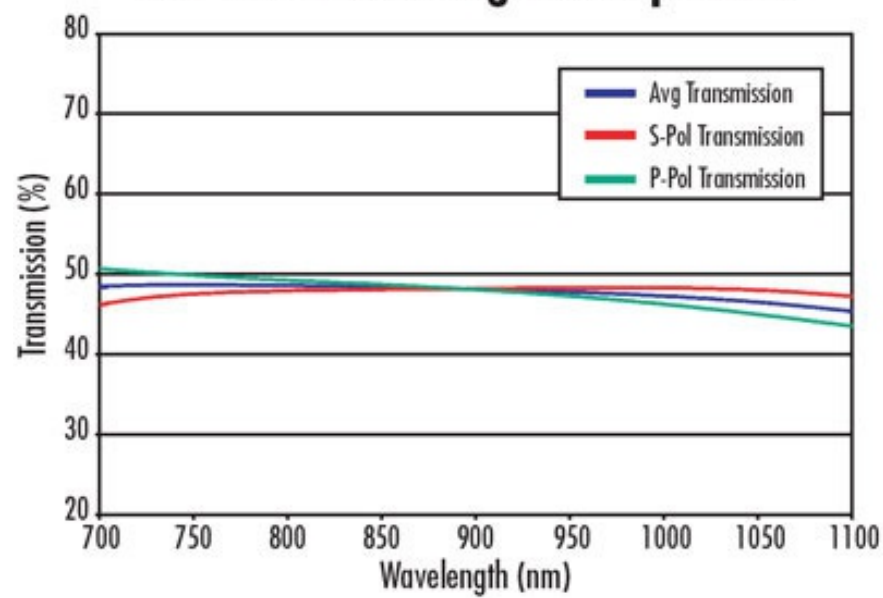
Visible Non-Polarizing Beamsplitters

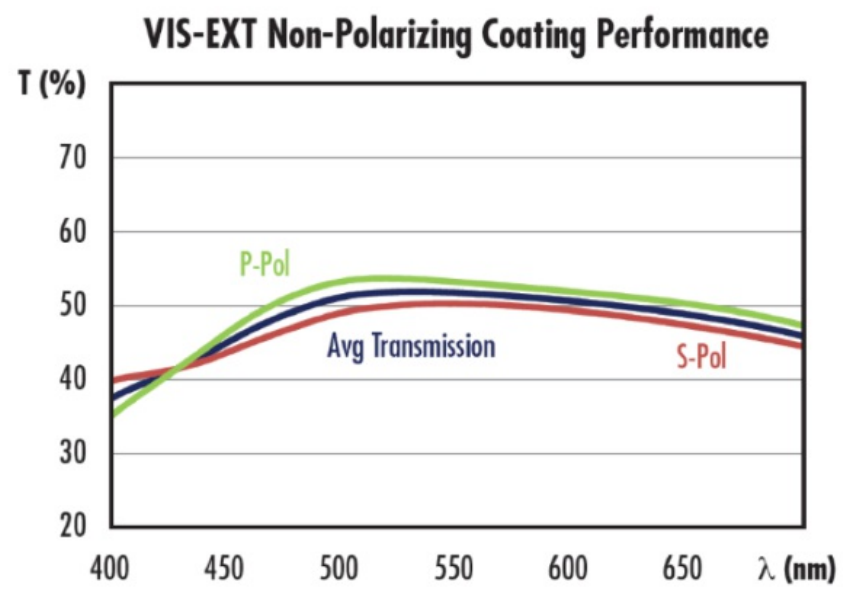


Telecom Non-Polarizing Beamsplitters



NIR Non-Polarizing Beamsplitters





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](#).