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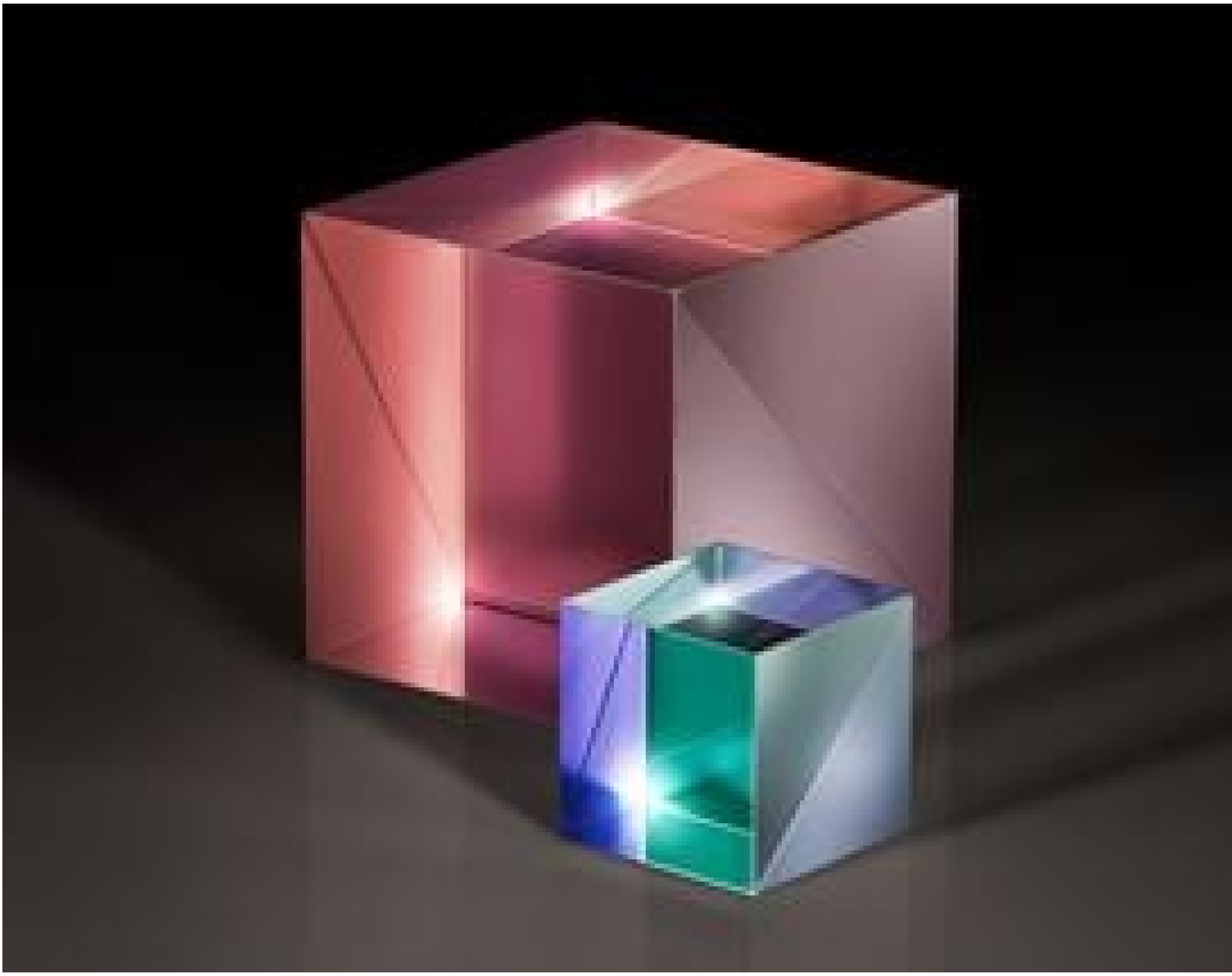
TECHSPEC® 12.5mm 632nm, Laser Line Non-Polarizing Beamsplitter



Laser Line Non-Polarizing Cube Beamsplitters

Stock **#35-962** **3 In Stock**

- 1 + **€287**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€287,00** each
Qty 6-25	**€230,00** each
Qty 26-99	**€211,00** each
Need More?	Request Quote

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

Construction:
Cube

Dimensions (mm):
12.5 x 12.5 x 12.5 ±0.1

Optical Properties

Beam Deviation (arcmin):
±2

Coating Specification:
<0.25% Reflection on Entrance and Exit Faces

Design Wavelength DWL (nm):
632

Reflection/Transmission Tolerance (%):
±5

Substrate:
N-BK7

Surface Quality:
40-20

Transmission (%):
<45% ±5% @ DWL

|Ts-Tp|:
<3% @ DWL

Power (fringes) @ 632.8nm:
1.50

Irregularity (fringes) @ 632.8nm:
0.25

Regulatory Compliance

RoHS 2015:
Compliant

Reach 219:
Compliant

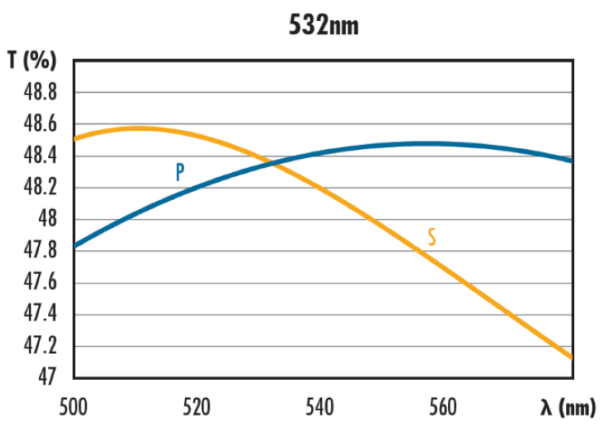
Certificate of Conformance:
View

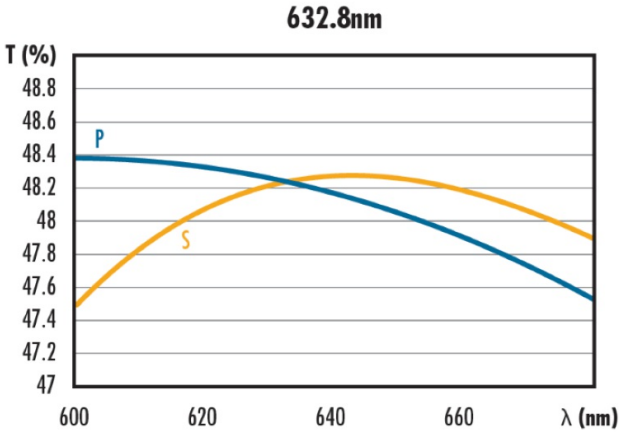
Product Details

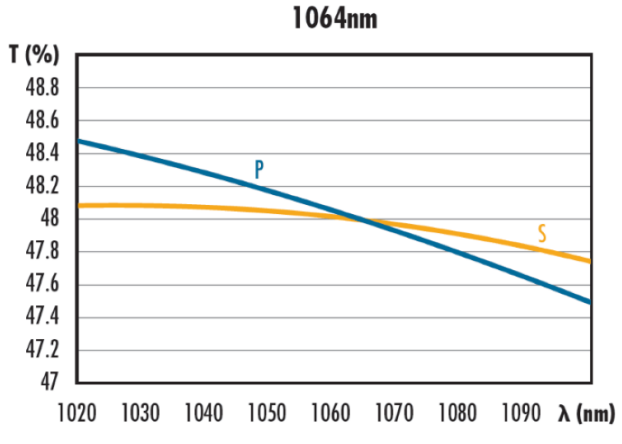
- <3% Transmission Difference for S and P Polarization States
- AR Coated <0.25% on Entrance and Exit Faces
- Nd:YAG and HeNe Options

TECHSPEC® Laser Line Non-Polarizing Cube Beamsplitters offer users the ability to split light evenly into orthogonal paths regardless of the incoming polarization state. These cubes are designed with a metallic-dielectric hybrid coating that yields less than a 3% difference in transmission for S-polarized and P-polarized light. These cubes are compatible with common Nd:YAG and HeNe lasers and are available with three beamsplitter coating options at 1064nm, 632nm, and 532nm. Efficiency is enhanced with AR coatings on the entrance and exit faces featuring <0.25% reflection per surface. TECHSPEC® Laser Line Non-Polarizing Cube Beamsplitters will displace a beam by less than 2 arcmin, making them easy to integrate into alignment sensitive applications.

Technical Information




632.8nm
T (%)
48.8
48.6
48.4
48.2
48
47.8
47.6
47.4
47.2
47
P
S
600
620
640
660
λ (nm)


1064nm
T (%)
48.8
48.6
48.4
48.2
48
47.8
47.6
47.4
47.2
47
P
S
1020
1030
1040
1050
1060
1070
1080
1090
λ (nm)