

[See all 7 Products in Family](#)

TECHSPEC® 25.4mm Dia., 550 - 1050nm, 50R:50T, Ultrafast Beamsplitter



TECHSPEC® Ultrafast Beamsplitters

Stock **#17-068** **3 In Stock**

1 MRP ₹65,075

Price inclusive of all taxes

ADD TO CART

Volume Pricing

Qty 1-9	₹65,075 each
Qty 10+	₹58,012 each
Need More?	Request Quote

Product Downloads

General

BS1631 **Model Number:**

Ultrafast Non-Polarizing Beamsplitter **Type:**

Physical & Mechanical Properties

1.00 **Thickness (mm):**

25.40 +0.00/-0.05	Diameter (mm):
80	Clear Aperture (%):
<10	Parallelism (arcsec):

Optical Properties

Fused Silica (Corning 7980)	Substrate: □
10-5 (substrate)	Surface Quality:
45	Angle of Incidence (°):
550 - 1050	Wavelength Range (nm):
50/50	Reflection/Transmission Ratio (R/T):
Coating Specification: Surface 1: $R_{avg} = 50\%$ @ 550 - 1050nm $R_p = 35\pm 3\%$ @ 550 - 1050nm $R_s = 67\pm 3\%$ @ 550 - 1050nm Surface 2: $R_s < 2\%$ @ 550 - 1050nm $R_p < 1.5\%$ @ 550 - 1050nm	
GDD Specification: Transmission: 0 fs^2 @ 550 - 1050nm Reflectivity: 0 fs^2 @ 550 - 1050nm	
<N/10 @ 632.8nm	Transmitted Wavefront Distortion:
<N/10 @ 632.8nm	Reflected Wavefront Distortion:

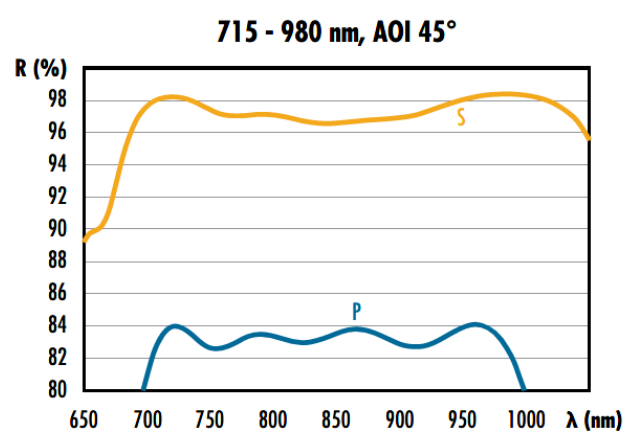
Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:
Germany	Country of Origin:
Imported By: Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	

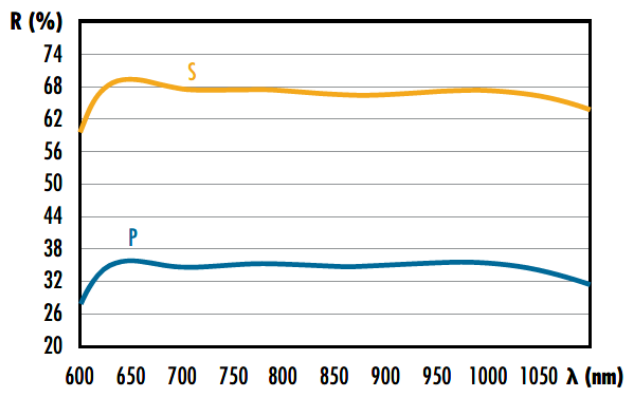
Product Details

- Designs for Ti:sapphire and Yb:doped Fiber Lasers
 - 90:10, 70:30, and 50:50 (R:T) Split Ratios
 - Controlled Reflection and Transmission GDD
- TECHSPEC® Ultrafast Beamsplitters are designed for use with femtosecond pulsed Ti:sapphire and Yb:doped fiber lasers. Their front surface features a 90:10, 70:30, or 50:50 (R:T) non-polarizing beamsplitter coating while their back surface features an anti-reflective coating to minimize losses due to reflection. Each coating has controlled dispersion to allow for predictable group delay dispersion (GDD) of the transmitted or reflected pulses. TECHSPEC Ultrafast Beamsplitters are available in standard imperial sizes for easy integration into optical systems. Please [contact us](#) if your application requires an Ultrafast Beamsplitter with a custom size or coating specifications.
- Note:** The arrow on the edge of these optics points towards the beamsplitter coating.

Technical Information



650 - 1050nm, AOI 45°



680 - 1020nm, AOI 45°

