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**TECHSPEC® 25.4mm Dia., 650 - 1050nm, 50R:50T, Ultrafast Beamsplitter**



TECHSPEC® Ultrafast Beamsplitters

Stock **#13-834** **20+ In Stock**

MRP ₹28,956

**Price inclusive of all taxes**

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Volume Pricing	
Qty 1-4	₹28,956 each
Qty 5-9	₹25,424 each
Qty 10-19	₹22,701 each
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Product Downloads

**General**

Ultrafast Non-Polarizing Beamsplitter **Type:**

**Physical & Mechanical Properties**

3.00 ±0.10 **Thickness (mm):**

**Diameter (mm):**

25.40 +0.00/-0.10

80 **Clear Aperture (%):**

<10 **Parallelism (arcsec):**

## Optical Properties

**Substrate:**   
[Fused Silica](#) (Corning 7980)

10-5 **Surface Quality:**

45 **Angle of Incidence (°):**

650 - 1050 **Wavelength Range (nm):**

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

**Coating Specification:**  
Surface 1:  
 $R_{avg} = 50 \pm 3\%$  @ 650 - 1050nm  
 $R_p = 35 \pm 3\%$  @ 650 - 1050nm  
 $R_s = 67 \pm 3\%$  @ 650 - 1050nm  
Surface 2:  
 $R_s < 2\%$  @ 650 - 1100nm  
 $R_p < 1.5\%$  @ 650 - 1100nm

**GDD Specification:**  
Transmission:  $\pm 15 \text{ fs}^2$  @ 650 - 1100nm  
Reflectivity:  $\pm 15 \text{ fs}^2$  @ 650 - 1100nm

$\lambda/8$  @ 632.8nm **Transmitted Wavefront Distortion:**

$< \lambda/6$  @ 632.8nm **Reflected Wavefront Distortion:**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

Lithuania **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

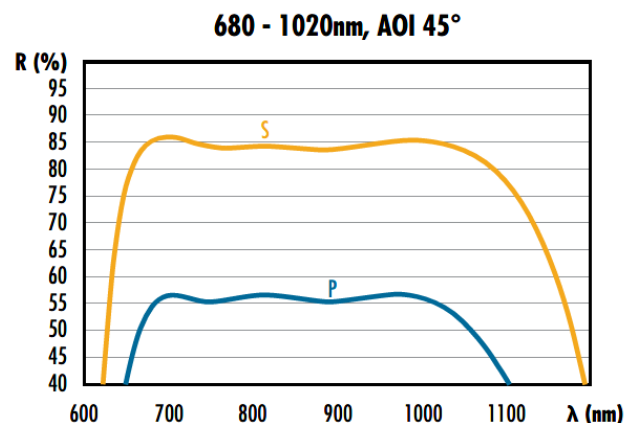
## Product Details

- 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



## Compatible Mounts

