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**TECHSPEC® 10mm Dia. 515nm 45°, Yb:YAG Laser Line Mirror**



Yb:YAG ZERODUR Laser Line Mirrors

Stock #26-884 **10 In Stock**

MRP ₹19,069

**Price inclusive of all taxes**

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Volume Pricing	
Qty 1-5	₹19,069 each
Qty 6-25	₹16,647 each
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**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

2.00 +/-0.2 **Thickness (mm):**

10.00 +0.00/-0.20 **Diameter (mm):**

90 **Clear Aperture (%)**:

30 **Parallelism (arcsec)**:

## Optical Properties

ZERODUR® **Substrate:**

20-10 **Surface Quality:**

45 **Angle of Incidence (°):**

Laser Mirror (515nm) **Coating:**

515 **Design Wavelength DWL (nm):**

99.8 **Reflection at DWL (%)**:

509 - 520 **Wavelength Range (nm):**

$\lambda/10$  **Surface Flatness (P-V):**

**Coating Specification:**  
 $R_{abs} > 99.80\%$  @ 515nm @ 45° AOI  $R_{avg} > 99.5\%$  @  
509 - 520nm @ 45° AOI

Dielectric **Coating Type:**

**Damage Threshold, By Design:**   
15 J/cm<sup>2</sup> @ 515nm, 20ns, 20Hz

## Regulatory Compliance

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

United States **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

- ZERODUR® Substrates Provide Near Zero Thermal Expansion
- >99.8% Reflectivity at Yb:YAG Harmonic Frequencies
- High Laser Damage Threshold Specifications

Yb:YAG ZERODUR Laser Line Mirrors combine the extremely low coefficient of thermal expansion of ZERODUR® substrates with the highly reflective TECHSPEC® Yb:YAG mirror coating. Featuring a coefficient of thermal expansion (CTE) of  $\pm 0.10 \times 10^{-6}/^{\circ}\text{C}$  these mirrors are great for applications where the optics will be exposed to fluctuating temperatures. The Yb:YAG coating offers a high laser damage threshold compatible with both pulsed and continuous wave lasers. Yb:YAG ZERODUR Laser Line Mirrors are designed with precision polished substrates with  $\lambda/10$  flatness and 20-10 surface quality. These mirrors are ideal for laser applications that include laser ablation, welding, drilling, cutting, and sintering.