

TECHSPEC® 10mm Dia. 1030nm 45°, Yb:YAG Laser Line Mirror



Yb:YAG ZERODUR Laser Line Mirrors

Stock **#26-894** **9 In Stock**

MRP ₹19,069

Price inclusive of all taxes

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| 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 (1030nm) **Coating:**

1030 **Design Wavelength DWL (nm):**

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

1020 - 1040 **Wavelength Range (nm):**

λ 10 **Surface Flatness (P-V):**

Coating Specification:
 $R_{abs} > 99.80\%$ @ 1030nm @ 45° AOI $R_{avg} > 99.5\%$
@ 1020 - 1040nm @ 45° AOI

Dielectric **Coating Type:**

20 J/cm² @ 1030nm, 20ns, 20Hz **Damage Threshold, By Design:** □

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
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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 λ 10 flatness and 20-10 surface quality. These mirrors are ideal for laser applications that include laser ablation, welding, drilling, cutting, and sintering.