

TECHSPEC® 40.0mm Dia x 5mm Thick 635-670/1064nm, Zerodur Dual Band Laser Mirror



Stock **#29-066** **6 In Stock**

- 1 + **\$\$448⁰⁰**

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| Qty 1-5 | \$\$448.00 each |
| Qty 6-25 | \$\$358.40 each |
| Qty 26-49 | \$\$336.00 each |
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Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

5.00 ±0.20 **Thickness (mm):**

40.00 +0.00/-0.20 **Diameter (mm):**

90 **Clear Aperture (%):**

30 **Parallelism (arcsec):**

Commercial Polish **Back Surface:**

Protective as needed **Bevel:**

Ground **Edges:**

Optical Properties

ZERODUR® **Substrate:**

20-10 **Surface Quality:**

Laser Mirror (635, 670, 1064nm) **Coating:**

635, 670, 1064 **Design Wavelength DWL (nm):**

Rabs >99.5% @ 635, 670 & 1064nm **Coating Specification:**

Dielectric **Coating Type:**

20 J/cm² @ 1064nm **Damage Threshold, By Design:**

Regulatory Compliance

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

Product Details

- >99.5% Reflectivity at Design Wavelengths
- Low Coefficient of Thermal Expansion
- 532/1064nm or 635/670/1064nm Wavelength Bands

TECHSPEC® Zerodur® Dual Band Laser Line Mirrors feature high reflectivity coatings with either two or three wavelength bands on a durable Zerodur® substrates. The ZERODUR® substrates have a low coefficient of thermal expansion (CTE) of $\pm 0.10 \times 10^{-6}/^{\circ}\text{C}$, which is an order of magnitude lower than most glass types. The low CTE allows these mirrors to have a consistent reflected wavefront when exposed to environments with varying temperature or illumination sources with changing intensity. TECHSPEC® Zerodur® Dual Band Laser Line Mirrors are available in a highly reflective 532/1064nm or 635/670/1064nm dual band coatings and multiple standard diameter options for Nd:YAG lasers and red and green guide beams. These mirrors are ideal for beam steering applications in both laboratory and OEM laser systems.