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**TECHSPEC® 50.0mm Dia x 5mm Thick 635-670/1064nm, Zerodur Dual Band Laser Mirror**



Stock **#29-067** **4 In Stock**

- 1 + **\$551<sup>.60</sup>**

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>\$551.60</b> each          |
| Qty 6-25       | <b>\$441.00</b> each          |
| Qty 26-49      | <b>\$413.70</b> each          |
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**General**

Flat Mirror **Type:**

**Physical & Mechanical Properties**

5.00 ±0.20 **Thickness (mm):**

50.00 +0.00/-0.20 **Diameter (mm):**

|                      |                              |
|----------------------|------------------------------|
| 90                   | <b>Clear Aperture (%):</b>   |
| 30                   | <b>Parallelism (arcsec):</b> |
| Commercial Polish    | <b>Back Surface:</b>         |
| Protective as needed | <b>Bevel:</b>                |
| Ground               | <b>Edges:</b>                |

## Optical Properties

|                                 |  |
|---------------------------------|--|
| ZERODUR®                        | <b>Substrate:</b> <input type="checkbox"/>                   |
| 20-10                           | <b>Surface Quality:</b>                                      |
| Laser Mirror (635, 670, 1064nm) | <b>Coating:</b>  |
| 635, 670, 1064                  | <b>Design Wavelength DWL (nm):</b>                           |
| Rabs >99.5% @ 635, 670 & 1064nm | <b>Coating Specification:</b>                                |
| Dielectric                      | <b>Coating Type:</b>   |
| 20 J/cm2 @ 1064nm               | <b>Damage Threshold, By Design:</b> <input type="checkbox"/> |

## Regulatory Compliance

|                      |                                    |
|----------------------|------------------------------------|
| <a href="#">View</a> | <b>Certificate of Conformance:</b> |
|----------------------|------------------------------------|

## 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.