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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 + **C$551**.60

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Volume Pricing	
Qty 1-5	**C$551.60** each
Qty 6-25	**C$441.00** each
Qty 26-49	**C$413.70** each
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General

Type:

Flat Mirror

Physical & Mechanical Properties

Thickness (mm):

5.00 ±0.20

Diameter (mm):

50.00 +0.00/-0.20

Clear Aperture (%):
90

Parallelism (arcsec):
30

Back Surface:
Commercial Polish

Bevel:
Protective as needed

Edges:
Ground

Optical Properties

Substrate:
ZERODUR®

Surface Quality:
20-10

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

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

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

Coating Type:
Dielectric

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

Regulatory Compliance

Certificate of Conformance:
View

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 ±0.10 x 10-6/°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.

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