

TECHSPEC[®] 40.0mm Dia x 5mm Thick 532/1064nm, Zerodur Dual Band Laser Mirror



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1

+

€302^{.82}

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SPECIFICATIONS

General

Type:
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):
40.00 +0.00/-0.20

Commercial Polish	Back Surface:
Protective as needed	Bevel:
90	Clear Aperture (%):
30	Parallelism (arcsec):
5.00 ±0.20	Thickness (mm):
Ground	Edges:

Optical Properties

532, 1064	Design Wavelength DWL (nm):
ZERODUR®	Substrate: ☐
Laser Mirror (532, 1064nm)	Coating:
Rabs >99.5% @ 532 & 1064nm	Coating Specification:
Dielectric	Coating Type:
20-10	Surface Quality:
15 J/cm2 @ 20ns @ 532nm 20 J/cm2 @ 20ns @ 1064nm	Damage Threshold, By Design: ☐

Regulatory Compliance

View	Certificate of Conformance:
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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.