

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



Stock #29-060 5 In Stock

-

1

+

€302<sup>.82</sup>

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| Qty 1+         | €302,82 each                  |
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

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: <div></div>                   |
| 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: <div></div> |

Regulatory Compliance

|                      |                             |
|----------------------|-----------------------------|
| <a href="#">View</a> | 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 ±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.