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**TECHSPEC® 50mm Dia. 532nm 45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #47-157 **20+ In Stock**

− 1 + €265.<sup>00</sup>

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Volume Pricing	
Qty 1-5	€265,00 each
Qty 6-25	€235,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

>90	<b>Clear Aperture (%)</b> :
Ground	<b>Back Surface</b> :
50.00 +0.00/-0.20	<b>Diameter (mm)</b> :
10.00 ±0.20	<b>Thickness (mm)</b> :
<b>Optical Properties</b>	
10-5	<b>Surface Quality</b> :
99.8	<b>Reflection at DWL (%)</b> :
<b>Coating Specification:</b> R <sub>abs</sub> >99.8% @ 532nm @ 45° AOI R <sub>avg</sub> >99.5% @ 523 - 537nm @ 45° AOI	
523 - 537	<b>Wavelength Range (nm)</b> :
λ/10	<b>Surface Flatness (P-V)</b> :
Dielectric	<b>Coating Type</b> :
Laser Mirror (532nm)	<b>Coating</b> :
532	<b>Design Wavelength DWL (nm)</b> :
45	<b>Angle of Incidence (°)</b> :
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
15 J/cm <sup>2</sup> @ 532nm, 20ns, 20Hz	<b>Damage Threshold, Reference:</b> <input type="checkbox"/>

<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">Compliant</a>	<b>Reach 209:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- Up to 99.9% Reflectivity at Nd:YAG Harmonic Frequencies
- High Laser Induced Damage Threshold Specifications
- 10-5 Surface Quality for Reduced Scatter in Sensitive Laser Applications
- [TECHSPEC® Laser Mirror Substrates](#) and [TECHSPEC® Yb:YAG Laser Line Mirrors](#) Also Available

TECHSPEC® Nd:YAG Laser Line Mirrors combine high reflectivity, excellent surface quality, and precision surface flatness to meet the requirements of demanding Nd:YAG laser applications. Each coating design has been tested to ensure a high laser damage threshold for compatibility with pulsed laser systems. These fused silica substrate laser mirrors have excellent thermal stability and are available in round, square, and rectangular profiles. TECHSPEC® Nd:YAG Laser Line Mirrors are ideal for laboratories and integration into larger laser systems. 266nm, 355nm, 532nm, 1064nm, and multi-line Nd:YAG mirror coatings are available.

**Note:** Contact us for customizable wavelengths, sizes, and varying AOI versions.

## Compatible Mounts