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## TECHSPEC® 50mm Dia. 266nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #63-116 [CONTACT US](#)

- 1 + £250<sup>40</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£250.40 each
Qty 6-25	£221.60 each
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**!** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Lasers 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>
99.5	<b>Reflection at DWL (%):</b>
<b>Coating Specification:</b>	
R <sub>abs</sub> >99.5% @ 266nm @ 45° AOI	
R <sub>avg</sub> >99.5% @ 263 - 268nm @ 45° AOI	
263 - 268	<b>Wavelength Range (nm):</b>
λ/10	<b>Surface Flatness (P-V):</b>
Dielectric	<b>Coating Type:</b>
Laser Mirror (266nm)	<b>Coating:</b>
266	<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"/>
<b>Damage Threshold, Reference:</b> <input type="checkbox"/>	
2.5 J/cm <sup>2</sup> @ 266nm, 20ns, 20Hz	

<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