

**TECHSPEC® 50mm Dia. 355nm 45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #63-117 [CONTACT US](#)

- 1 + **\$438<sup>20</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>\$438.20</b> each
Qty 6-25	<b>\$387.80</b> each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

**Clear Aperture (%):**

>90

Ground **Back Surface:**

50.00 +0.00/-0.20 **Diameter (mm):**

10.00 ±0.20 **Thickness (mm):**

## Optical Properties

10-5 **Surface Quality:**

99.5 **Reflection at DWL (%):**

**Coating Specification:**

$R_{abs} >99.5\%$  @ 355nm @ 45° AOI

$R_{avg} >99.5\%$  @ 351 - 358nm @ 45° AOI

351 - 358 **Wavelength Range (nm):**

$\lambda/10$  **Surface Flatness (P-V):**

Dielectric **Coating Type:**

Laser Mirror (355nm) **Coating:**

355 **Design Wavelength DWL (nm):**

45 **Angle of Incidence (°):**

**Substrate:**

[Fused Silica](#) (Corning 7980)

**Damage Threshold, Reference:**

6 J/cm<sup>2</sup> @ 355nm, 20ns, 20Hz

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **Reach 209:**

[View](#) **Certificate of Conformance:**

## 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