

# TECHSPEC® 19.1mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock #34-829 10 TO 12 DAYS

- 1 + ₹12,528

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Qty 1-5

₹12,528

Qty 6+

₹11,049

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## SPECIFICATIONS

### General

Type:  
Laser Mirror

### Physical & Mechanical Properties

**Parallelism (arcmin):**  
<3

**Clear Aperture (%):**  
90

**Back Surface:**  
Commercial Polish

**Diameter (mm):**  
19.10 +0.00/-0.10

**Thickness (mm):**  
6.35 ±0.20

## Optical Properties

**Surface Quality:**  
10-5

**Reflection at DWL (%):**  
99.8

**Coating Specification:**  
R<sub>abs</sub> >99.8% @ 1064nm  
R<sub>avg</sub> >99.5% @ 1046 - 1074nm

**Wavelength Range (nm):**  
1046 - 1074

**Surface Flatness (P-V):**  
λ/10

**Coating Type:**  
Dielectric

**Coating:**  
Laser Mirror (1046-1074nm)

**Design Wavelength DWL (nm):**  
1064

**Angle of Incidence (°):**  
45

**Substrate:**   
[Fused Silica](#) (Corning 7980)

**Damage Threshold, Reference:**   
20 J/cm<sup>2</sup> @ 1064nm, 20ns, 20Hz

## Regulatory Compliance

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

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

## 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