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TECHSPEC® 50mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock **#47-156** **20+ In Stock**

- 1 + £250⁴⁰

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| 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 | Clear Aperture (%): |
| Ground | Back Surface: |
| 50.00 +0.00/-0.20 | Diameter (mm): |
| 10.00 ±0.20 | Thickness (mm): |
| Optical Properties | |
| 10-5 | Surface Quality: |
| 99.8 | Reflection at DWL (%): |
| Coating Specification: R _{abs} >99.8% @ 1064nm @ 45° AOI R _{avg} >99.5% @ 1046 - 1074nm @ 45° AOI | |
| 1046 - 1074 | Wavelength Range (nm): |
| λ/10 | Surface Flatness (P-V): |
| Dielectric | Coating Type: |
| Laser Mirror (1064nm) | Coating: |
| 1064 | Design Wavelength DWL (nm): |
| 45 | Angle of Incidence (°): |
| Fused Silica (Corning 7980) | Substrate: <input type="checkbox"/> |
| 20 J/cm ² @ 1064nm, 20ns, 20Hz | Damage Threshold, Reference: <input type="checkbox"/> |

| | |
|------------------------------|------------------------------------|
| 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