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TECHSPEC® 12.5mm Dia. 355nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #47-323 **14 In Stock**

⊖ 1 ⊕ £117⁶⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-25 | £117.60 each |
| Qty 26-49 | £103.20 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Lasers Mirror **Type:**

Physical & Mechanical Properties

Parallelism (arcmin):

<3

| | |
|---|--|
| >90 | Clear Aperture (%) : |
| Ground | Back Surface : |
| 12.50 +0.00/-0.20 | Diameter (mm) : |
| 6.00 ±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) : |
| λ/10 | Surface Flatness (P-V) : |
| Dielectric | Coating Type : |
| Laser Mirror (355nm) | Coating : |
| 355 | Design Wavelength DWL (nm) : |
| 45 | Angle of Incidence (°) : |
| Fused Silica (Corning 7980) | Substrate: <input type="checkbox"/> |
| 6 J/cm ² @ 355nm, 20ns, 20Hz | Damage Threshold, Reference: <input type="checkbox"/> |

| | |
|------------------------------|------------------------------------|
| Regulatory Compliance | |
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 247: |

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