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TECHSPEC® 12.5mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock **#45-986** **20+ In Stock**

− 1 + £117⁶⁰

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Volume Pricing	
Qty 1-5	£117.60 each
Qty 6-25	£103.20 each
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ⓘ 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 :
99.8	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