

TECHSPEC® 12.5mm Dia. 266nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock **#47-980** 20+ In Stock

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1

+

A\$222⁴⁸

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Volume Pricing	
Qty 1-5	A\$222.48 each
Qty 6-25	A\$194.46 each
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SPECIFICATIONS

General

Laser Mirror

Type:

Physical & Mechanical Properties

Parallelism (arcmin):

<3	Clear Aperture (%):
>90	
Back Surface:	
Ground	
Diameter (mm):	
12.50 +0.00/-0.20	
Thickness (mm):	
6.00 ±0.20	
Optical Properties	
Surface Quality:	
10-5	
Reflection at DWL (%):	
99.5	
Coating Specification:	
R _{abs} >99.5% @ 266nm @ 45° AOI	
R _{avg} >99.5% @ 263 - 268nm @ 45° AOI	
Wavelength Range (nm):	
263 - 268	
Surface Flatness (P-V):	
λ/10	
Coating Type:	
Dielectric	
Coating:	
Laser Mirror (266nm)	
Design Wavelength DWL (nm):	
266	
Angle of Incidence (°):	
45	
Substrate: ☐	
Fused Silica (Corning 7980)	
Damage Threshold, Reference: ☐	
2.5 J/cm ² @ 266nm, 20ns, 20Hz	

Regulatory Compliance	
RoHS 2015:	
Compliant	
Reach 209:	
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