

TECHSPEC[®] 12.7 x 12.7mm 1064nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC[®] Nd:YAG Laser Line Mirrors

Stock **#39-653** **1 In Stock**

-

1

+

C\$214²⁰

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Volume Pricing	
Qty 1-5	C\$214.20 each
Qty 6-25	C\$187.60 each
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General

Type:

Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):

<3

Clear Aperture (%):

85

Back Surface:

Commercial Polish	
12.7 x 12.7 +0.00/-0.10	Dimensions (mm):
6.35 ±0.20	Thickness (mm):
Optical Properties	
10-5	Surface Quality:
99.8	Reflection at DWL (%):
R _{abs} >99.8% @ 1064nm R _{avg} >99.5% @ 1046 - 1074nm	Coating Specification:
1046 - 1074	Wavelength Range (nm):
λ/10	Surface Flatness (P-V):
Dielectric	Coating Type:
Laser Mirror (1046-1074nm)	Coating:
1064	Design Wavelength DWL (nm):
45	Angle of Incidence (°):
Fused Silica (Corning 7980)	Substrate: ☐
20 J/cm² @ 1064nm, 20ns, 20Hz	Damage Threshold, Reference: ☐
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	REACH 201:
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