

TECHSPEC[®] 25mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror



Nd:YAG ZERODUR Laser Line Mirrors

Stock **#26-437** 20+ In Stock

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1

+

S\$313⁶⁴

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SPECIFICATIONS

General

Laser Mirror

Type:

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.00/-0.20	
>90	Clear Aperture (%):
30	Parallelism (arcsec):
4.00 +/-0.2	Thickness (mm):

Optical Properties

1064	Design Wavelength DWL (nm):
1046 - 1074	Wavelength Range (nm):
ZERODUR®	Substrate:
45	Angle of Incidence (°):
99.8	Reflection at DWL (%):
Laser Mirror (1064nm)	Coating:
R _{abs} >99.8% @ 1064nm @ 45° AOI, R _{avg} >99.5% @ 1046 - 1074nm @ 45° AOI	Coating Specification:
Dielectric	Coating Type:
λ/10	Surface Flatness (P-V):
20-10	Surface Quality:
20 J/cm² @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design:

Regulatory Compliance

View	Certificate of Conformance:
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PRODUCT DETAILS

- ZERODUR® Substrates Provide Near Zero Thermal Expansion
- >99.5% Reflectivity at Nd:YAG Harmonic Frequencies
- High Laser Damage Threshold Specifications

Nd:YAG ZERODUR Laser Line Mirrors combine the extremely low coefficient of thermal expansion of ZERODUR® substrates with the highly reflective TECHSPEC® Nd:YAG mirror coating. Featuring a coefficient of thermal expansion (CTE) of ±0.10 x 10-6/°C these mirrors are ideal for applications where the optics will be exposed to fluctuating temperatures. The Nd:YAG coating offers a high laser damage threshold compatible with both pulsed and continuous wave lasers. Nd:YAG ZERODUR Laser Line Mirrors are designed with precision polished substrates with λ/10 flatness and 20-10 surface quality. These mirror are an excellent fit for laboratories and integration into larger powerful laser systems