

TECHSPEC[®] 25mm Dia. 355nm 45°, Nd:YAG Laser Line Mirror



Nd:YAG ZERODUR Laser Line Mirrors

Stock **#26-417** 2 In Stock

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1

+

£184⁰⁰

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Volume Pricing	
Qty 1-5	£184.00 each
Qty 6-25	£166.40 each
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General

Laser Mirror

Type:

Physical & Mechanical Properties

4.00 +/-0.2

Thickness (mm):

25.00 +0.00/-0.20

Diameter (mm):

>90	Clear Aperture (%):
30	Parallelism (arcsec):
Optical Properties	
ZERODUR®	Substrate:
20-10	Surface Quality:
45	Angle of Incidence (°):
Laser Mirror (355nm)	Coating:
355	Design Wavelength DWL (nm):
99.8	Reflection at DWL (%):
351 - 358	Wavelength Range (nm):
λ/10	Surface Flatness (P-V):
Coating Specification: R _{abs} >99.8% @ 355nm @ 45° AOI R _{avg} >99.5% @ 351 - 358nm @ 45° AOI	
Dielectric	Coating Type:
Damage Threshold, By Design: 6 J/cm² @ 355nm, 20ns, 20Hz	
Regulatory Compliance	
View	Certificate of Conformance:

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