

TECHSPEC[®] 10mm Dia. 532nm 45°, Nd:YAG Laser Line Mirror



Nd:YAG ZERODUR Laser Line Mirrors

Stock **#26-424** **6 In Stock**

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1

+

£153^{ea}

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Volume Pricing	
Qty 1-5	£153.60 each
Qty 6-25	£140.80 each
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Product Downloads

General	
Laser Mirror	Type:
Physical & Mechanical Properties	
2.00 +/-0.2	Thickness (mm):
10.00 +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 (532nm)	Coating:
532	Design Wavelength DWL (nm):
99.8	Reflection at DWL (%):
523 - 537	Wavelength Range (nm):
λ/10	Surface Flatness (P-V):
Coating Specification: R _{abs} >99.8% @ 532nm @ 45° AOI R _{avg} >99.5% @ 523 - 537nm @ 45° AOI	
Dielectric	Coating Type:
Damage Threshold, By Design: □ 15 J/cm² @ 532nm, 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