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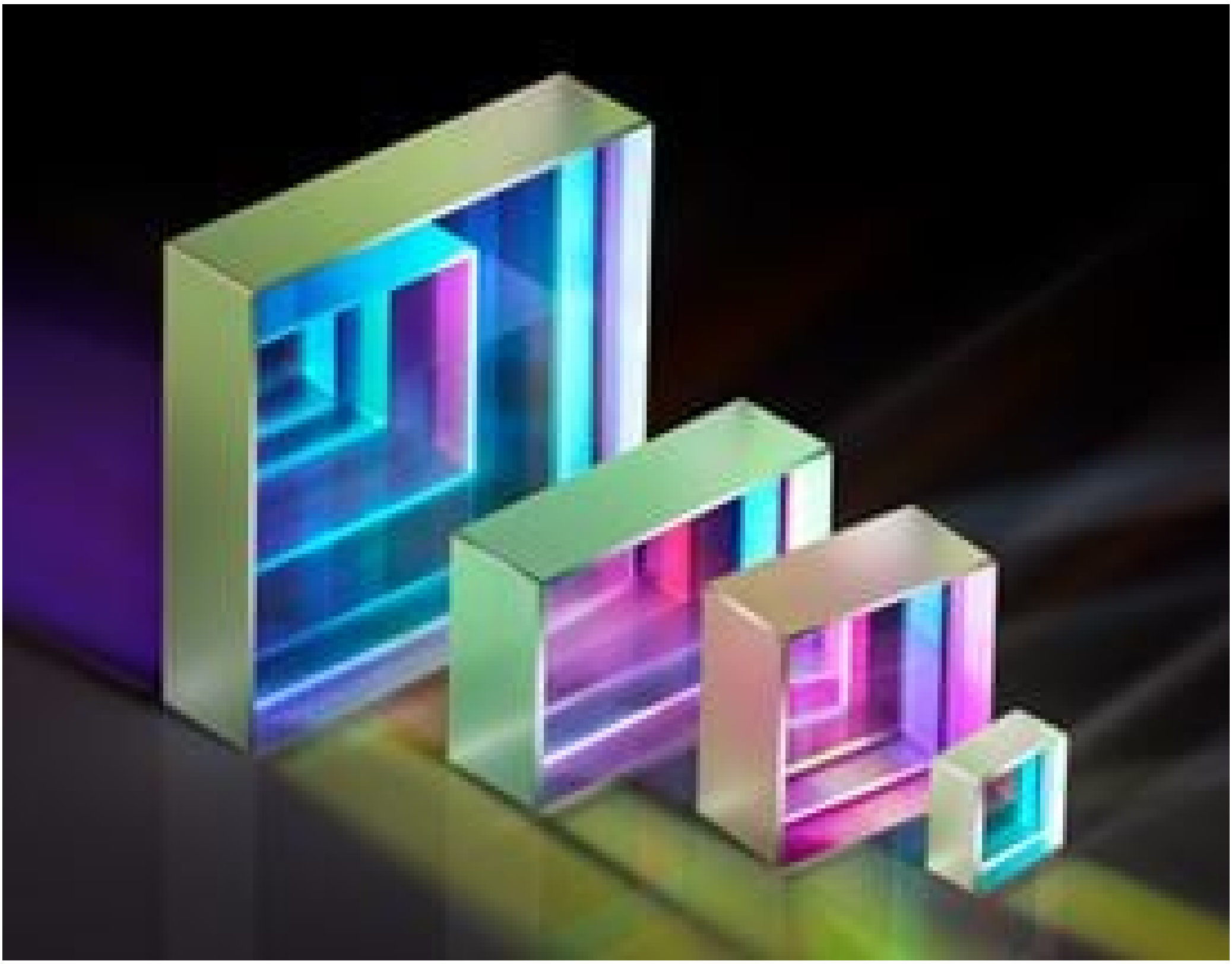
TECHSPEC® 19.1 x 12.7mm 532nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock **#39-642** **20+ In Stock**

- 1 + **£128.00**

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Volume Pricing	
Qty 1-5	**£128.00** each
Qty 6-25	**£113.60** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):
<3

Clear Aperture (%):
85

Back Surface:
Commercial Polish

Dimensions (mm):
19.1 x 12.7 +0.00/-0.10

Thickness (mm):
6.35 ±0.20

Optical Properties

Surface Quality:
10-5

Reflection at DWL (%):
99.8

Coating Specification:
R_{abs} >99.8% @ 532nm
R_{avg} >99.5% @ 523 - 537nm

Wavelength Range (nm):
523 - 537

Surface Flatness (P-V):
λ/10

Coating Type:
Dielectric

Coating:
Laser Mirror (523-537nm)

Design Wavelength DWL (nm):
532

Angle of Incidence (°):
45

Substrate:
Fused Silica (Corning 7980)

Damage Threshold, Reference:
15 J/cm^2 @ 532nm, 20ns, 20Hz

Regulatory Compliance

RoHS 2015:
Compliant

REACH 201:
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