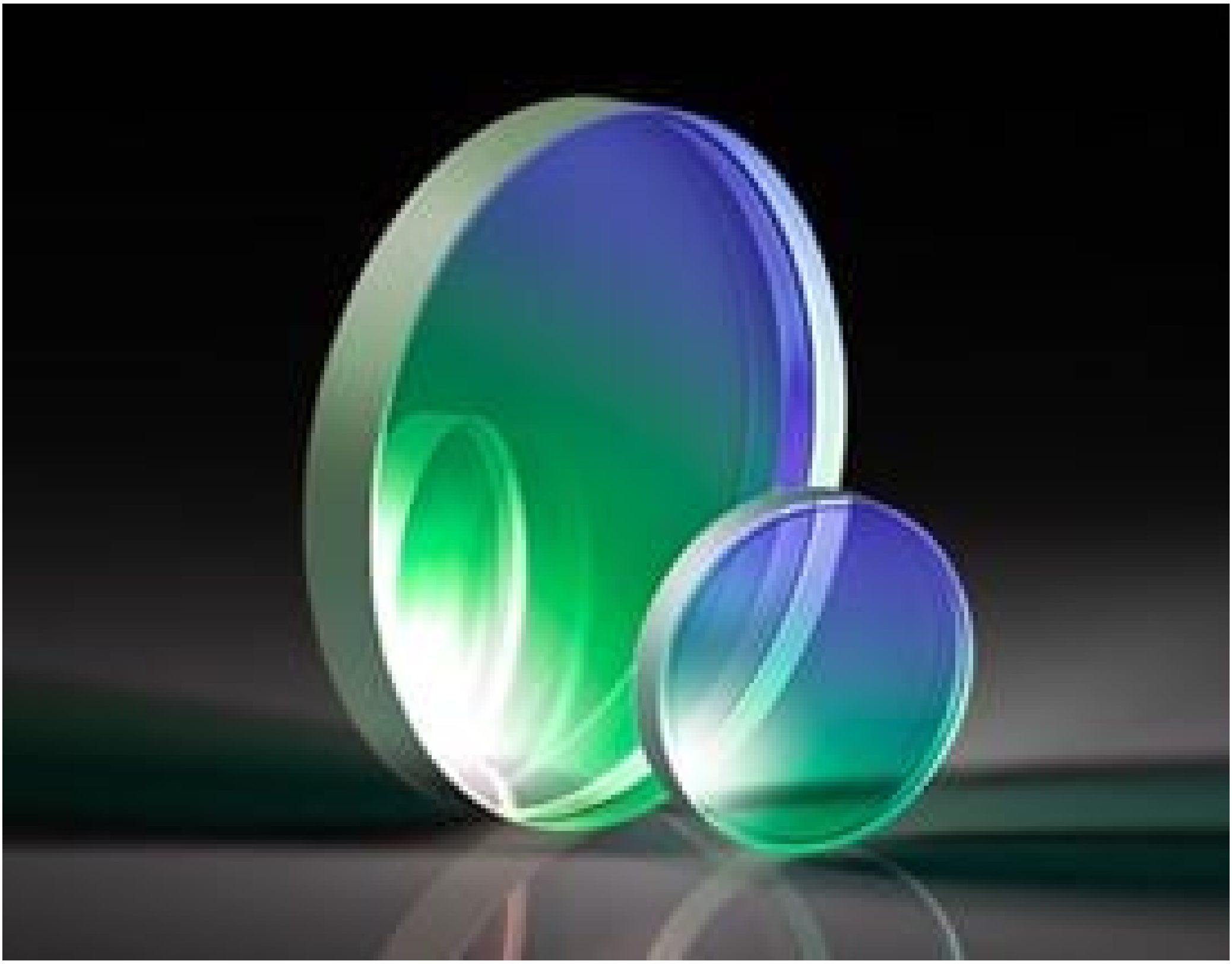
TECHSPEC® 10mm Dia. 532nm 45°, Nd:YAG Laser Line Mirror



Nd:YAG ZERODUR Laser Line Mirrors

Stock **#26-424** **9 In Stock**

- 1 + **C$259.70**

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Qty 1-5	**C$259.70** each
Qty 6+	**C$237.44** each
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SPECIFICATIONS

General

Type:

Laser Mirror

Physical & Mechanical Properties

Diameter (mm):

10.00 +0.00/-0.20

Clear Aperture (%):

>90

Parallelism (arcsec):

30

Thickness (mm):

2.00 +/-0.2

Optical Properties

Design Wavelength DWL (nm):

532

Wavelength Range (nm):

523 - 537

Substrate:

ZERODUR®

Angle of Incidence (°):

45

Reflection at DWL (%):

99.8

Coating:

Laser Mirror (532nm)

Coating Specification:

R_{abs} >99.8% @ 532nm @ 45° AOI R_{avg} >99.5% @ 523 - 537nm @ 45° AOI

Coating Type:

Dielectric

Surface Flatness (P-V):

λ/10

Surface Quality:

20-10

Damage Threshold, By Design:

15 J/cm^2 @ 532nm, 20ns, 20Hz

Regulatory Compliance

Certificate of Conformance:

View

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