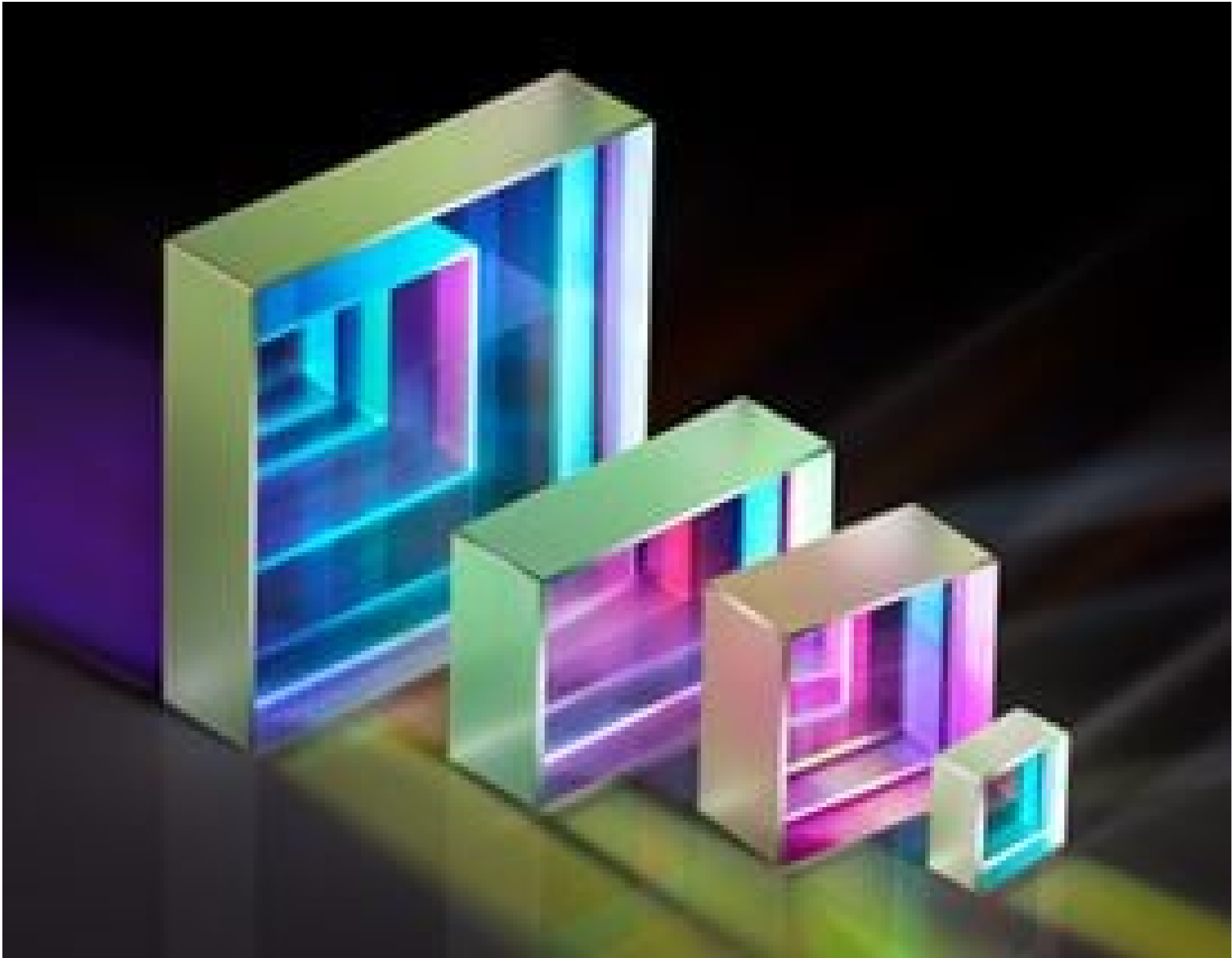


TECHSPEC<sup>®</sup> 25.4 x 25.4mm 1064nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC<sup>®</sup> Nd:YAG Laser Line Mirrors

Stock **#39-655** 13 In Stock

-

1

+

€168<sup>32</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €168,92 each                  |
| Qty 6-25       | €148,32 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Laser Mirror

Type:

Physical & Mechanical Properties

|                                                                             |                                          |
|-----------------------------------------------------------------------------|------------------------------------------|
| <3                                                                          | Parallelism (arcmin):                    |
| 85                                                                          | Clear Aperture (%):                      |
| Commercial Polish                                                           | Back Surface:                            |
| 25.4 x25.4 +0.00/-0.10                                                      | Dimensions (mm):                         |
| 6.35 ±0.20                                                                  | Thickness (mm):                          |
| Optical Properties                                                          |                                          |
| 10-5                                                                        | Surface Quality:                         |
| 99.8                                                                        | Reflection at DWL (%):                   |
| R <sub>abs</sub> >99.8% @ 1064nm<br>R <sub>avg</sub> >99.5% @ 1046 - 1074nm | Coating Specification:                   |
| 1046 - 1074                                                                 | Wavelength Range (nm):                   |
| λ/10                                                                        | Surface Flatness (P-V):                  |
| Dielectric                                                                  | Coating Type:                            |
| Laser Mirror (1046-1074nm)                                                  | Coating:                                 |
| 1064                                                                        | Design Wavelength DWL (nm):              |
| 45                                                                          | Angle of Incidence (°):                  |
| Fused Silica (Corning 7980)                                                 | Substrate: <div></div>                   |
| 20 J/cm² @ 1064nm, 20ns, 20Hz                                               | Damage Threshold, Reference: <div></div> |
| Regulatory Compliance                                                       |                                          |
| Compliant                                                                   | RoHS 2015:                               |
| Compliant                                                                   | REACH 201:                               |
| View                                                                        | Certificate of Conformance:              |

## 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