

TECHSPEC<sup>®</sup> 76.2mm Dia. 1064nm 0-45°, Nd:YAG Laser Line Mirror



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



Stock **#20-430** **20+ In Stock**

-

1

+

€759<sup>11</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €759,11 each                  |
| Qty 6-25       | €682,89 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

|                                                       |                             |
|-------------------------------------------------------|-----------------------------|
| Laser Mirror                                          |                             |
| Physical & Mechanical Properties                      |                             |
| <3                                                    | Parallelism (arcmin):       |
|                                                       |                             |
| 90                                                    | Clear Aperture (%):         |
|                                                       |                             |
| λ/10                                                  | Back Surface:               |
|                                                       |                             |
| 76.20 +0.00/-0.10                                     | Diameter (mm):              |
|                                                       |                             |
| 12.70 ±0.20                                           | Thickness (mm):             |
|                                                       |                             |
| Optical Properties                                    |                             |
| 10-5                                                  | Surface Quality:            |
|                                                       |                             |
| 99.8                                                  | Reflection at DWL (%):      |
|                                                       |                             |
| R <sub>abs</sub> >99.8% @ 1064nm @ 0-45° AOI          | Coating Specification:      |
|                                                       |                             |
| λ/10                                                  | Surface Flatness (P-V):     |
|                                                       |                             |
| Dielectric                                            | Coating Type:               |
|                                                       |                             |
| Laser Mirror (1064nm)                                 | Coating:                    |
|                                                       |                             |
| 1064                                                  | Design Wavelength DWL (nm): |
|                                                       |                             |
| 0-45                                                  | Angle of Incidence (°):     |
|                                                       |                             |
| Substrate: <input type="checkbox"/>                   |                             |
| Fused Silica (Corning 7980)                           |                             |
| Damage Threshold, By Design: <input type="checkbox"/> |                             |
| 15.0 J/cm <sup>2</sup> @ 1064nm, 20ns, 20Hz           |                             |
| 1MW/cm <sup>2</sup> @ 1064nm                          |                             |
| Regulatory Compliance                                 |                             |
| 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