

TECHSPEC<sup>®</sup> 12.7 x 12.7mm 1064nm 45°, Nd:YAG Laser Line Mirror



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

Stock **#39-653** 1 In Stock

-

1

+

S\$214<sup>20</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$214.20 each                |
| Qty 6-25       | S\$187.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                       |
|----------------------------------|-----------------------|
| Laser Mirror                     | Type:                 |
| Physical & Mechanical Properties |                       |
| <3                               | Parallelism (arcmin): |
| 85                               | Clear Aperture (%):   |
|                                  | Back Surface:         |

|                                                                             |                                                       |
|-----------------------------------------------------------------------------|-------------------------------------------------------|
| Commercial Polish                                                           |                                                       |
| 12.7 x 12.7 +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 (°):                               |
| <a href="#">Fused Silica</a> (Corning 7980)                                 | Substrate: <input type="checkbox"/>                   |
| 20 J/cm² @ 1064nm, 20ns, 20Hz                                               | Damage Threshold, Reference: <input type="checkbox"/> |

|                           |                             |
|---------------------------|-----------------------------|
| Regulatory Compliance     |                             |
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">Compliant</a> | REACH 201:                  |
| <a href="#">View</a>      | 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