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TECHSPEC® 1064nm, 45° 25.4mm Dia. Nd:YAG IBS Low Loss Laser Line Mirror



Stock **#89-453** **2 In Stock**

- 1 + £179²⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | £179.20 each |
| Qty 6-25 | £156.80 each |
| Qty 26+ | £152.32 each |
| Need More? | Request Quote |

! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Laser Mirror **Type:**

Physical & Mechanical Properties

<1 **Parallelism (arcmin):**

>90 **Clear Aperture (%):**

| | |
|--|--|
| Commercial Polish | Back Surface: |
| 25.40 +0.0/-0.1 | Diameter (mm): |
| 5.00 ±0.1 | Thickness (mm): |
| Optical Properties | |
| 20-10 | Surface Quality: |
| 99.98 | Reflection at DWL (%): |
| >99.98 | Reflectivity (Rs%): |
| >99.93 | Reflectivity (Rp%): |
| >99.3 | Reflectivity (Rs% Rp%): |
| R _s >99.98% @ 1064nm R _p >99.93% @ 1064nm | Coating Specification: |
| 1030 - 1064 | Wavelength Range (nm): |
| λ/8 | Surface Flatness (P-V): |
| Dielectric | Coating Type: |
| Laser Mirror (1030-1064nm) | Coating: |
| 1064 | Design Wavelength DWL (nm): |
| 45 | Angle of Incidence (°): |
| Fused Silica (Coming 7980) | Substrate: <input type="checkbox"/> |
| >12 J/cm ² @ 1064nm, 10ns | Damage Threshold, By Design: <input type="checkbox"/> |

Environmental & Durability Factors

| | |
|-----------|--------------------|
| ML-C-675A | Durability: |
|-----------|--------------------|

Regulatory Compliance

| | |
|---------------------------|------------------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 247: |

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Up to 99.98% Reflectivity
- Certified High Laser Damage Threshold at DWL up to 15 J/cm² @ 1064nm
- [Superpolished](#) Substrates Available with Parts per Million Level Scattering Performance
- Additional Sizes Coming Soon

TECHSPEC® High Performance Nd:YAG Laser Line Mirrors are coated using ion beam sputtering (IBS) technology. These laser mirrors are designed for extremely demanding laser applications that require the highest reflection at their design wavelength. The Ion Beam Sputtered coating causes these mirrors to have lower surface roughness than competing coating technologies, resulting in less scatter. TECHSPEC® High Performance Nd:YAG Laser Line Mirrors feature high environmental stability due to dense coating films. Environmental factors such as temperature and humidity cause negligible performance degradation.

Please contact us if your application requires an IBS Laser Line Mirror with custom dimensions or a custom IBS mirror coating.

Superpolished Optics for Minimized Scatter

[Learn More](#) 

Compatible Mounts
