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12.7mm Dia. 1064nm 0°, Low Cost Nd:YAG Mirror



Stock **#38-621** **20+ In Stock**

⊖ 1 ⊕ **S\$147⁰⁰**

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| Volume Pricing | |
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| Qty 1-10 | S\$147.00 each |
| Qty 11-49 | S\$133.70 each |
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General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

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

Commercial Polish **Back Surface:**

| | |
|--|--|
| 12.70 +0.0/-0.1 | Diameter (mm): |
| 6.35 ±0.2 | Thickness (mm): |
| Optical Properties | |
| 20-10 | Surface Quality: |
| 99 | Reflection at DWL (%): |
| R _{abs} >99% @ 1064nm | Coating Specification: |
| λ/10 | Surface Flatness (P-V): |
| Dielectric | Coating Type: |
| Laser Mirror (1064nm) | Coating: |
| 1064 | Design Wavelength DWL (nm): |
| 0 | Angle of Incidence (°): |
| N-BK7 | Substrate: <input type="checkbox"/> |
| 5 J/cm ² @ 1064nm, 20ns, 20Hz | Damage Threshold, By Design: <input type="checkbox"/> |

| | |
|------------------------------|------------------------------------|
| Regulatory Compliance | |
| View | Certificate of Conformance: |

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

- >97% Reflectivity at Design Wavelength
- Up to λ/10 Surface Accuracy
- Excellent Cost to Performance Ratio
- Designs for Nd:YAG, Yb:YAG, and Diode Lasers

Low Cost Laser Line Mirrors are ideal for optical systems requiring cost-effective laser mirrors that do not compromise on performance. These mirrors feature N-BK7 or fused silica substrates, 20-10 surface quality, and up to λ/10 surface accuracy. With most mirrors providing >99% reflectance at their design wavelength, these mirrors are an ideal replacement for metallic coated mirrors in laser optical systems that require mirrors with higher reflectivity and higher laser damage thresholds. Low Cost Laser Line Mirrors are designed for either a 0° or 45° angle of incidence with coating options for Nd:YAG (266nm, 355nm, 532nm, 1064nm), Yb:YAG (515nm, 1030nm), or diode (488nm, 808nm, 850nm, 980nm) lasers.

Compatible Mounts