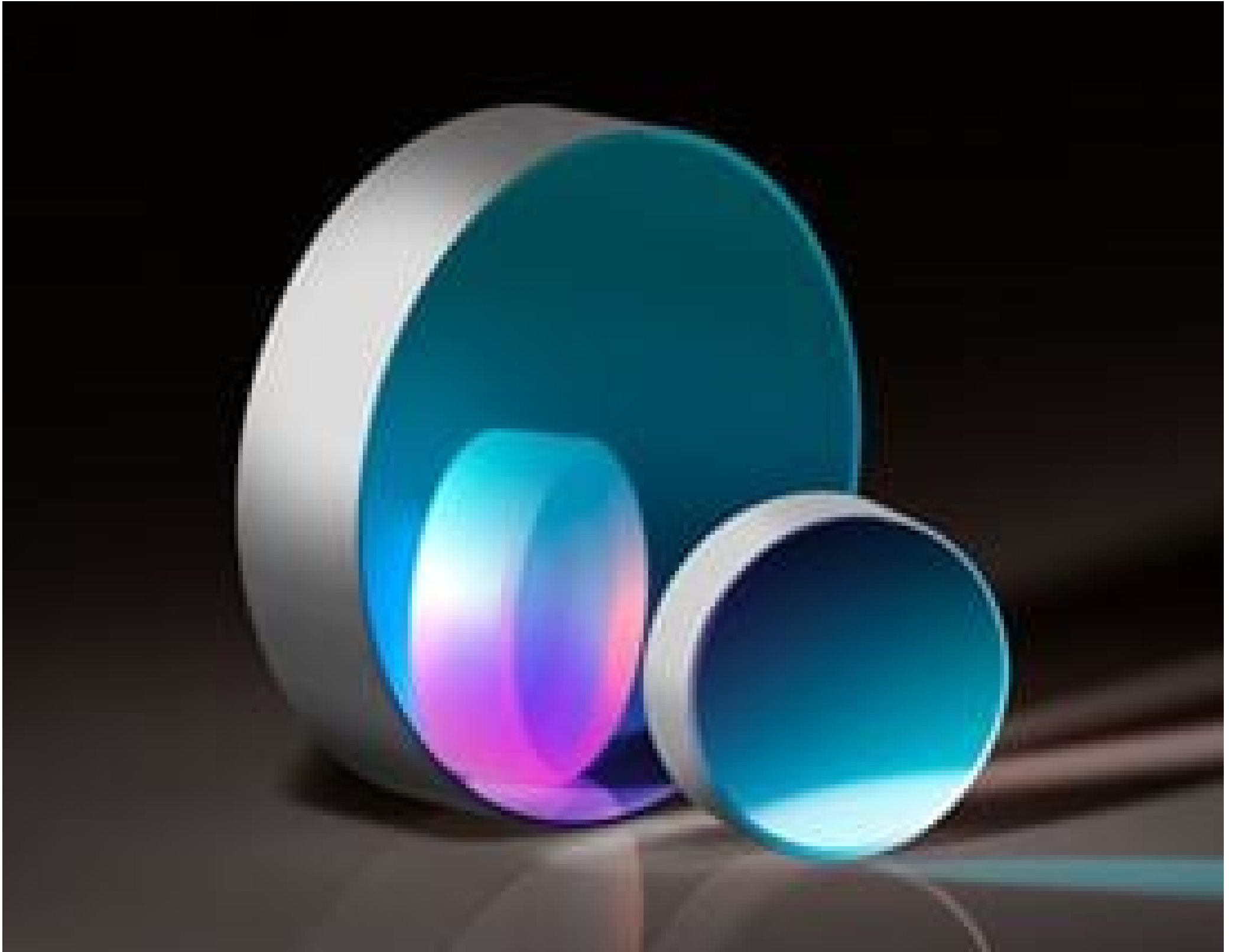


TECHSPEC® 12.7mm Dia. NIR, Precision Broadband Laser Mirror



Stock #45-755 **20+ In Stock**

⊖ 1 ⊕ C\$197⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	C\$197.40 each
Qty 6-25	C\$173.60 each
Need More?	Request Quote

Product Downloads

General

Laser Mirror **Type:**

Optical Power: N10 **Note:**

Physical & Mechanical Properties

>80 **Clear Aperture (%):**

Ground **Back Surface:**

12.70 +0.0/-0.2 **Diameter (mm):**

5.00 ±0.1 **Thickness (mm):**

Optical Properties

20-10 **Surface Quality:**

$R_{avg} >99\%$ @ 700 - 900nm **Coating Specification:**

700 - 900 **Wavelength Range (nm):**

$\lambda/10$ **Surface Flatness (P-V):**

$\lambda/20$ **Irregularity (P-V) @ 632.8nm:**

Dielectric **Coating Type:**

Dielectric Mirror (700-900nm) **Coating:**

0-45 **Angle of Incidence (°):**

[Fused Silica](#) (Corning 7980) **Substrate:**

10 J/cm² @ 10ns **Damage Threshold, By Design:**

Environmental & Durability Factors

ML-M-13508-C **Durability:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **REACH 201:**

[View](#) **Certificate of Conformance:**

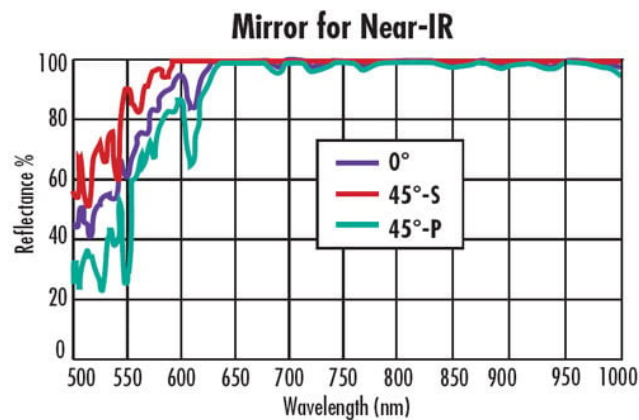
Product Details

- Ideal for Tunable Lasers and Reflecting Multiple Laser Sources
- High Reflectivity from 0 - 45° for All Polarization States
- Variety of Coating Options Available

TECHSPEC® Precision Broadband Laser Mirrors feature high reflectivity and are ideal for UV, visible, and NIR beam steering applications. The broadband dielectric enhanced silver coatings feature >98% reflectivity from 450nm to 12µm wavelengths at incident angles from 0 - 45°. These mirrors meet ML-M-13508-C durability standards. [TECHSPEC® Precision Broadband Laser Mirrors](#) are ideal for demanding laser applications requiring high laser damage thresholds including laser scanning and beam steering. The mirrors have a BOROFLOAT® substrate, and are offered in 12.70, 25.40, and 50.80mm diameters.

LASER OPTICS MADE BY EDMUND OPTICS® [LEARN MORE](#)

Technical Information



Custom

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](#).

Compatible Mounts

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