

[See all 5 Products in Family](#)

**TECHSPEC® 50mm Dia 1550nm 45°, Laser Diode Mirror**



Stock #63-158 [CONTACT US](#)

- 1 + S\$320.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1+	S\$320.60 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

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

Ground **Back Surface:**

**Diameter (mm):**

50.00 +0.0/-0.2

10.00 ±0.2 **Thickness (mm):**

## Optical Properties

10-5 **Surface Quality:**

99.8 **Reflection at DWL (%):**

**Coating Specification:**  
R<sub>abs</sub> >99.8% @ 1550nm  
R<sub>avg</sub> >98% @ 1440 - 1660nm

1440 - 1660 **Wavelength Range (nm):**

λ/10 **Surface Flatness (P-V):**

Dielectric **Coating Type:**

Dielectric Mirror (1440-1660nm) **Coating:**

1550 **Design Wavelength DWL (nm):**

45 **Angle of Incidence (°):**

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

## Regulatory Compliance

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

[Compliant](#) **Reach 209:**

[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

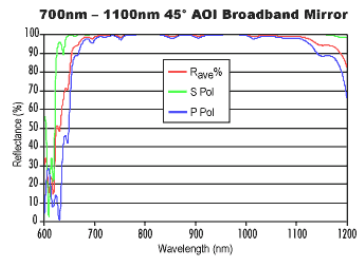
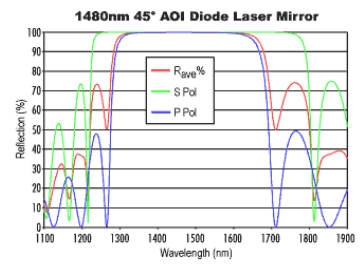
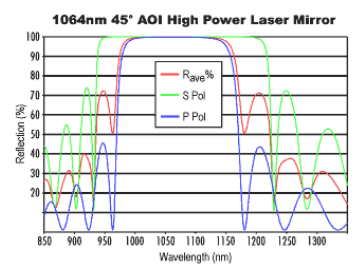
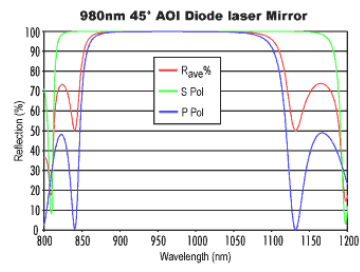
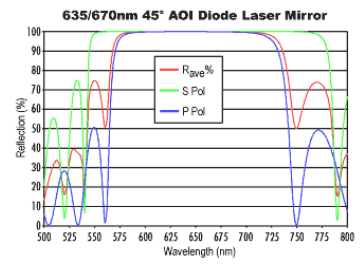
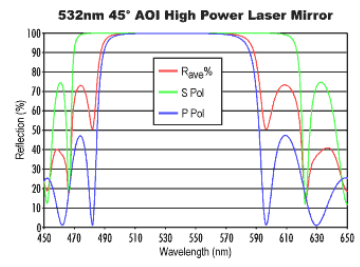
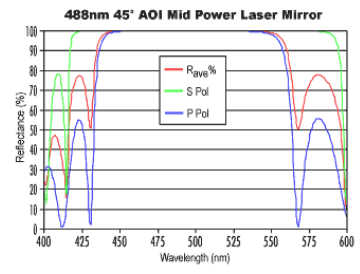
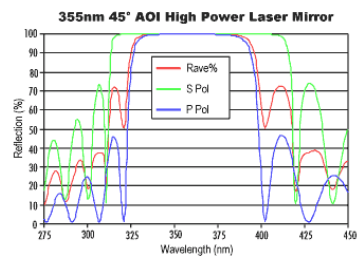
- >99.8% Reflectivity at Design Wavelengths
- Excellent Broadband Performance for Range of Wavelengths
- Designed for Common Diode Lasers

TECHSPEC® Diode Laser Line Mirrors are designed to offer high reflection for the most common diode laser wavelengths. Designed for a 0° or 45° angle of incidence, these mirrors are ideal for beam-steering and folding applications.

Our line of [TECHSPEC® laser line mirrors](#) are specially designed for even the most demanding laser applications. Combining laser-quality substrates of up to 10-5 surface quality, with a dense reflective coating, and a damage threshold specific to the laser type and wavelength, these mirrors are ideal for a wide range of applications requiring precision reflectivity and incredible durability. All TECHSPEC® laser line mirrors are designed to minimize scatter loss and to be easily mounted into any optical system.

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

## Technical Information



### Typical Reflectivity Curves



## Compatible Mounts