

TECHSPEC<sup>®</sup> 12.5mm Dia 405nm 45°, Laser Diode Mirror



Stock **#63-138** [CONTACT US](#)

-

1

+

₹8,174

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹8,174 each                   |
| Qty 6+         | ₹7,396 each                   |
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Product Downloads

General

Type:  
Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):  
<3

Clear Aperture (%):  
>90

Back Surface:  
Ground

|                                                                        |                                     |
|------------------------------------------------------------------------|-------------------------------------|
| 12.50 +0.0/-0.2                                                        | Diameter (mm):                      |
| 6.00 ±0.2                                                              | Thickness (mm):                     |
| Optical Properties                                                     |                                     |
| 10-5                                                                   | Surface Quality:                    |
| 99.8                                                                   | Reflection at DWL (%):              |
| R <sub>abs</sub> >99.8% @ 405nm<br>R <sub>avg</sub> >98% @ 375 - 435nm | Coating Specification:              |
| 375 - 435                                                              | Wavelength Range (nm):              |
| λ/10                                                                   | Surface Flatness (P-V):             |
| Dielectric                                                             | Coating Type:                       |
| Dielectric Mirror (375-435nm)                                          | Coating:                            |
| 405                                                                    | Design Wavelength DWL (nm):         |
| 45                                                                     | Angle of Incidence (°):             |
| <a href="#">Fused Silica</a> (Corning 7980)                            | Substrate: <input type="checkbox"/> |
| Regulatory Compliance                                                  |                                     |
| <a href="#">Compliant</a>                                              | RoHS 2015:                          |
| <a href="#">Compliant</a>                                              | Reach 209:                          |
| <a href="#">View</a>                                                   | Certificate of Conformance:         |
| United States                                                          | Country of Origin:                  |
| Edmund Optics India Private Limited                                    | Imported By:                        |

## Product Details

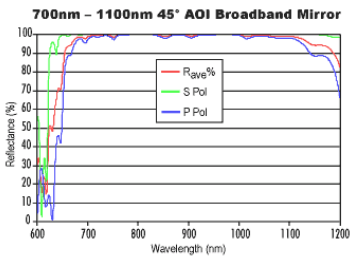
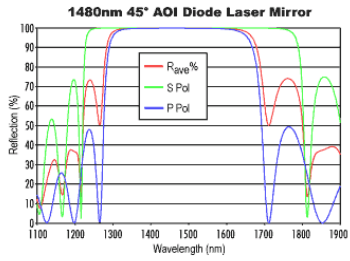
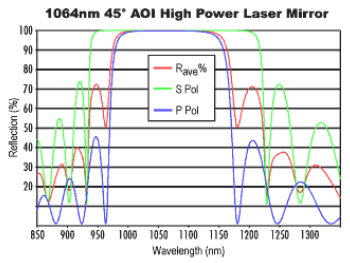
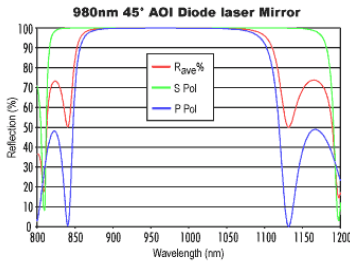
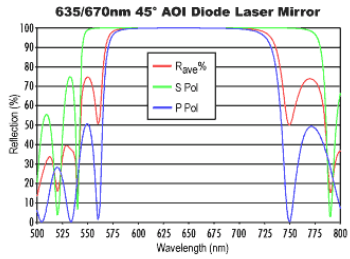
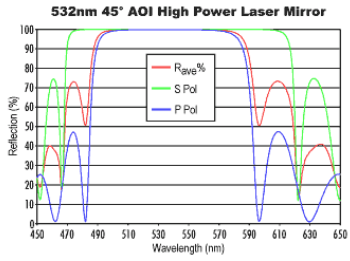
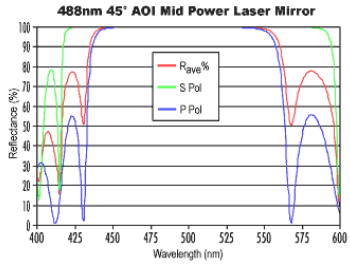
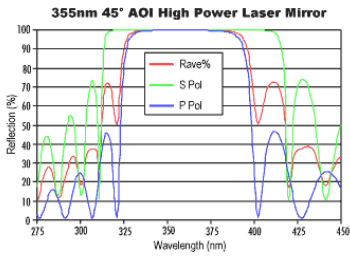
- >99.8% Reflectivity at Design Wavelengths
- Excellent Broadband Performance for Range of Wavelengths
- Designed for Common Diode Lasers

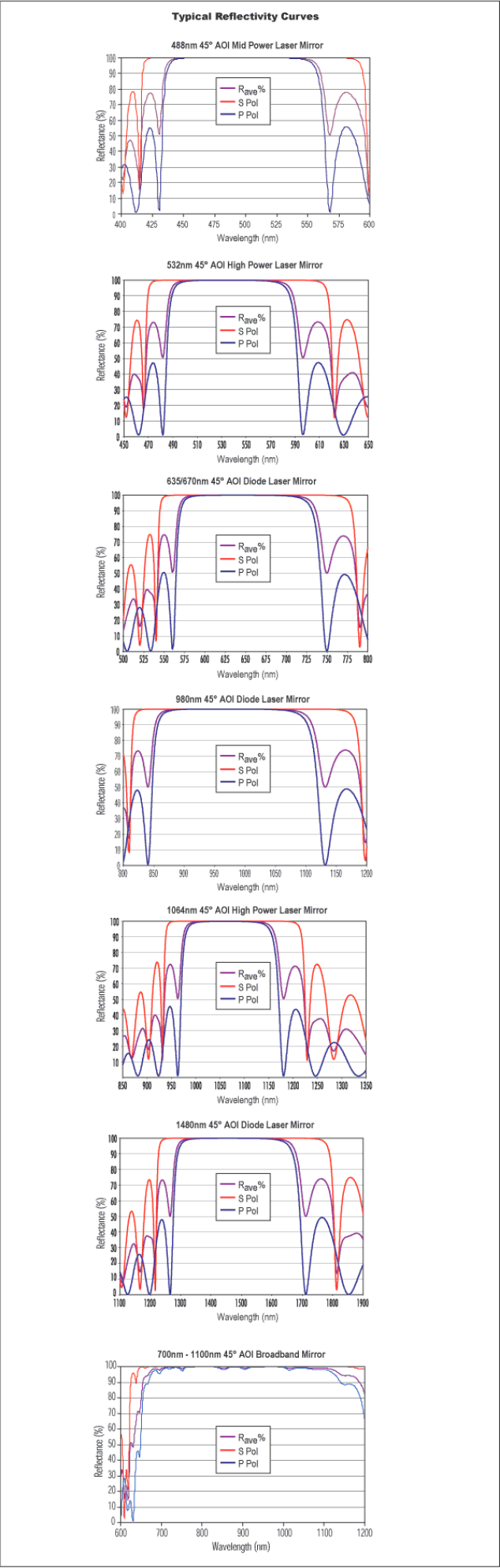
TECHSPEC® Diode Laser Line Mirrors are designed to offer high reflection for the most common diode laser wavelengths. Designed for a 0° or 45° angle of incidence, these mirrors are ideal for beam-steering and folding applications.

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.



## 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