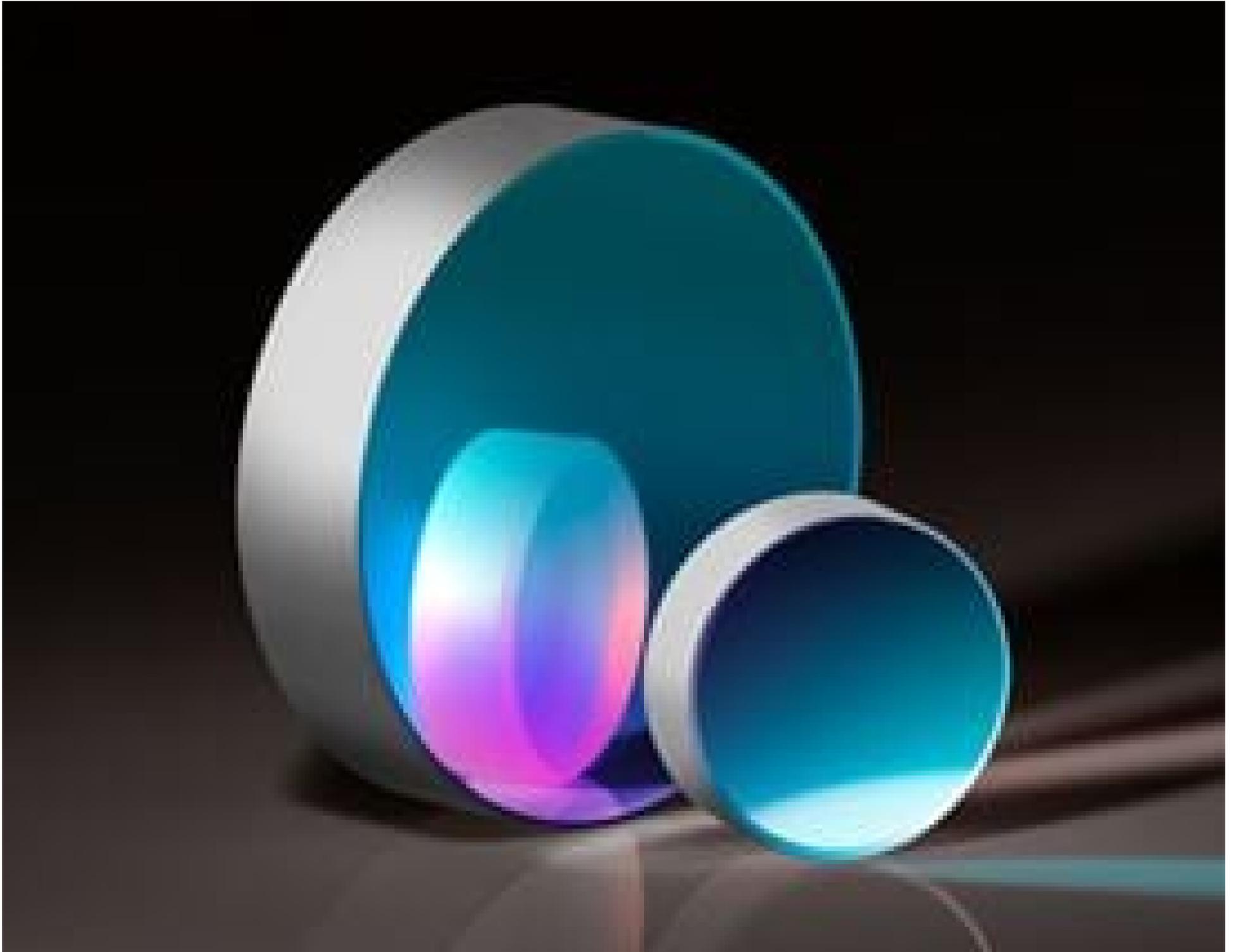


**TECHSPEC® 50.8mm Dia. Silver, Precision Broadband Laser Mirror**



Stock **#48-017** **16 In Stock**

⊖ 1 ⊕ **\$491<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>\$491.40</b> each
Qty 6-25	<b>\$432.60</b> each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Laser Mirror **Type:**

Optical Power: *N*10 **Note:**

**Physical & Mechanical Properties**

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

Ground **Back Surface:**

Diameter (mm):  
50.80 +0.0/-0.2

Thickness (mm):  
12.50 ±0.3

## Optical Properties

Surface Quality:  
20-10

Coating Specification:  
 $R_{avg} >99\%$  @ 0.45 - 12.0 $\mu$ m

Wavelength Range (nm):  
450 - 12000

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

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

Coating Type:  
Metal

Coating:  
Protected Silver (450-12000nm)

Angle of Incidence (°):  
0-45

Substrate:   
BOROFLOAT®

Damage Threshold, By Design:   
0.5 J/cm<sup>2</sup> @ 10ns

## Environmental & Durability Factors

Durability:  
ML-M-13508-C

## Regulatory Compliance

RoHS 2015:  
Compliant

REACH 201:  
Compliant

Certificate of Conformance:  
[View](#)

## Product Details

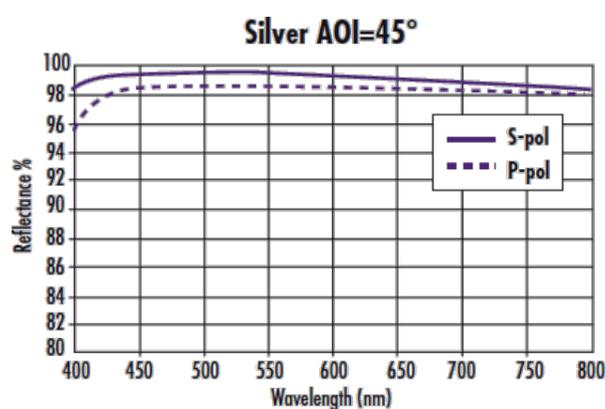
- Ideal for Tunable Lasers and Reflecting Multiple Laser Sources
- High Reflectivity from 0 - 45° for All Polarization States
- Variety of Coating Options Available

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 12 $\mu$ m 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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