

TECHSPEC[®] 12.5mm Dia. 248nm 45°, Excimer Laser Line Mirror



TECHSPEC Excimer Laser Line Mirrors

Stock **#47-984** **6 In Stock**

-

1

+

A\$366⁴⁰

ADD TO CART

Volume Pricing	
Qty 1-5	A\$366.40 each
Qty 6-25	A\$323.20 each
Need More?	Request Quote

Product Downloads

General

Laser Mirror

Type:

Note:

Extended exposure to moisture can affect performance, please contact us for more specific handling instructions.

Physical & Mechanical Properties

<3

Parallelism (arcmin):

>90	Clear Aperture (%):
Ground	Back Surface:
12.50 +0.0/-0.2	Diameter (mm):
6.00 ±0.2	Thickness (mm):
Optical Properties	
10-5	Surface Quality:
99	Reflection at DWL (%):
R _{abs} >99% @ 248nm	Coating Specification:
λ/10	Surface Flatness (P-V):
Dielectric	Coating Type:
Dielectric Mirror (248nm)	Coating:
248	Design Wavelength DWL (nm):
45	Angle of Incidence (°):
Fused Silica (Corning 7980)	Substrate: □
1.5 J/cm ² @ 10ns	Damage Threshold, By Design: □
1.5 J/cm ² @ 10ns by design	Damage Threshold, Reference: □
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:

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](#).

Product Details

- High Damage Threshold of up to 1.5 J/cm²
- Low Loss Dielectric Coatings
- Designed for 193nm and 248nm Lasers

TECHSPEC® Excimer Laser Line Mirrors have been optimized for use with high power excimer lasers. The mirrors are ideal for the most demanding UV applications. A precision UV grade fused silica substrate provides excellent thermal stability and low wavefront distortion. TECHSPEC® Excimer Laser Line Mirrors are offered in 12.5, 25, and 50mm diameters, with thicknesses of 6 or 10mm. These mirrors are available with DWL of 193nm or 248nm. All mirrors are designed for a 45° angle of incidence and feature very low polarization dependence. [Contact us](#) for custom 0° angle of incidence versions.

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

Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools

Compatible Mounts

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