

TECHSPEC[®] 12.7mm 45°, 2μm Laser Line Mirror



2μm Laser Line Mirrors

Stock **#37-501** 20+ In Stock

-

1

+

£323²⁰

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Volume Pricing	
Qty 1+	£323.20 each
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General

Laser Mirror

Type:

Physical & Mechanical Properties

<3

Parallelism (arcmin):

90

Clear Aperture (%):

Back Surface:

Compensating Coating	
12.70 +0.0/-0.1	Diameter (mm):
6.35 ±0.2	Thickness (mm):
Optical Properties	
40-20	Surface Quality:
99.6	Reflection at DWL (%):
99.6	Reflectivity (Rs %):
99.9	Reflectivity (Rp %):
R _s >99.9% @ 1900 – 2200nm R _p >99.6% @ 1940 – 2100nm	Coating Specification:
1900 - 2200	Wavelength Range (nm):
λ/7 @ 2000nm	Surface Flatness (P-V):
Dielectric	Coating Type:
Laser Mirror (1900-2200nm)	Coating:
2000	Design Wavelength DWL (nm):
45	Angle of Incidence (°):
Fused Silica (Corning 7980)	Substrate: □
>10 J/cm ² @ 2000nm, 10ns, 10Hz	Damage Threshold, By Design: □

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

Product Details

- Laser Damage Threshold >10 J/cm² @ 2μm, 10ns, 10Hz
 - Designed for Holmium and Thulium Laser Sources
 - λ/7 Surface Accuracy
- TECHSPEC® High Performance 2μm Laser Mirrors are designed for use with Holmium (2100nm) and Thulium (1940nm) doped laser systems. These mirrors are ideal for medical, industrial, and metrology application spaces. The 2 micron wavelength regime is useful for surgical procedures as it can target discrete depth levels of tissue beneath the skin’s surface. TECHSPEC® High Performance 2μm Laser Mirrors feature guaranteed laser damage thresholds >10 J/cm² and >99% reflectivity at 2 microns.
- Note:** For more information on 2μm laser source applications, please see the [Characteristics of 2μm Lasers](#).

Compatible Mounts