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

2µm Laser Line Mirrors

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

- 1 + **A$646.40**

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General

Type:
Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):
<3

Clear Aperture (%):
90

Back Surface:
Compensating Coating

Diameter (mm):
12.70 +0.0/-0.1

Thickness (mm):
6.35 ±0.2

Optical Properties

Surface Quality:
40-20

Reflection at DWL (%):
99.6

Reflectivity (Rs%):
99.6

Reflectivity (Rp%):
99.9

Coating Specification:
R_s >99.9% @ 1900 – 2200nm
R_p >99.6% @ 1940 – 2100nm

Wavelength Range (nm):
1900 - 2200

Surface Flatness (P-V):
*λ*7 @ 2000nm

Coating Type:
Dielectric

Coating:
Laser Mirror (1900-2200nm)

Design Wavelength DWL (nm):
2000

Angle of Incidence (°):
45

Substrate:
Fused Silica (Corning 7980)

Damage Threshold, By Design:
>10 J/cm^2 @ 2000nm, 10ns, 10Hz

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

Product Details

- Laser Damage Threshold >10 J/cm^2 @ 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/cm^2 and >99% reflectivity at 2 microns.

Note: For more information on 2µm laser source applications, please see the **Characteristics of 2µm Lasers**.

Compatible Mounts

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