

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



2μm Laser Line Mirrors

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+

₹29,145

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General	
Laser Mirror	Type:
Physical & Mechanical Properties	
<3	Parallelism (arcmin):
90	Clear Aperture (%):
Compensating Coating	Back Surface:

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%):
Coating Specification: Rs >99.9% @ 1900 – 2200nm Rp >99.6% @ 1940 – 2100nm	
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/cm² @ 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