

TECHSPEC[®] 50.8mm Dia. x 9.53mm 532/630-655/1064nm, 0-45° AOI, Dual Band Laser Mirror



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1

+

₹29,505

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SPECIFICATIONS

General

Type:
Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):

<3	Clear Aperture (%):
>90	
Commercial Polish	Back Surface:
50.80 +0.00/-0.10	Diameter (mm):
9.53 ±0.20	Thickness (mm):
Optical Properties	
10-5	Surface Quality:
99.5	Reflection at DWL (%):
Coating Specification: R _{avg} ≥ 99.50% @ 532nm & 1064nm @ 0-45° AOI R _{avg} ≥ 80% @ 630 – 655nm @ 0-45° AOI	
λ/10	Surface Flatness (P-V):
Dielectric	Coating Type:
Laser Mirror (532, 635, 650, 1064nm)	Coating:
532, 635, 650, 1064	Design Wavelength DWL (nm):
0 - 45	Angle of Incidence (°):
Fused Silica (Corning 7980)	Substrate:
Not Specified	Damage Threshold, Reference:
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

- >99% Reflectivity at Design Wavelengths
- 10-5 Surface Quality for Sensitive Laser Applications
- 532/1064nm, 635-670/1064nm, or 800/1030nm Wavelength Bands
- TECHSPEC® Nd:YAG Laser Line Mirrors Also Available

TECHSPEC® Dual Band Laser Line Mirrors feature high reflectivity, excellent surface quality, and precision surface flatness to minimize scattering effects. Each coating design has been tested to ensure a high laser damage threshold for compatibility with pulsed laser systems. These fused silica substrate laser mirrors have excellent thermal stability and are available in a variety of standard sizes. TECHSPEC® Dual Band Laser Line Mirrors are ideal for beam steering applications in both laboratory and OEM laser systems. These mirrors are available in a 532/1064nm, 635-670/1064nm, and 800/1030nm dual band coating options for Nd:YAG lasers and red and green guide beams.