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50.8mm Dia., 9.54mm Thick, Fused Silica 800nm Ti:Sapphire Mirror, 45 Deg AOI



Stock **#28-988** [CONTACT US](#)

- 1 + £246⁴⁰

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Volume Pricing

Qty 1-5	£246.40 each
Qty 6-25	£196.80 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Ti:Sapphire Laser Mirror **Type:**

Physical & Mechanical Properties

9.54 ±0.20 **Thickness (mm):**

45.72 **Clear Aperture CA (mm):**

50.80 +0.00/-0.10	Diameter (mm):
<3	Parallelism (arcmin):
Fine Ground	Edges:
Optical Properties	
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
10-5	Surface Quality:
45	Angle of Incidence (°):
Laser Mirror (800nm)	Coating:
800	Design Wavelength DWL (nm):
780 - 820	Wavelength Range (nm):
λ/10	Surface Flatness (P-V):
Coating Specification: R _{abs} S & P >99.80% @ 400nm @ 45° AOI R _{avg} >99.5% @ 390 - 410nm @ 45° AOI	

Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- >99.8% Reflectivity at Ti:Sapphire Fundamental and Harmonic Frequencies
- 10-5 Surface Quality for Reduced Scatter in Laser Applications
- High Laser Damage Threshold

TECHSPEC® Ti:Sapphire Laser Line Mirrors provide >99.8% reflectivity for Ti:Sapphire laser fundamental and harmonic frequencies at both a 45° angle of incidence (AOI) and 0-45° AOI. These laser mirrors are designed with a fused silica substrate for excellent thermal stability and are coated for 800nm, 400nm, or 266nm which are the fundamental, second harmonic, and third harmonic respectively. To minimize scattering effects, these mirrors feature a high 10-5 surface quality and λ/10 surface flatness. TECHSPEC® Ti:Sapphire Laser Line Mirrors are ideal for a range of Ti:Sapphire laser applications such as multiphoton imaging, ultrafast spectroscopy, and cold micromachining.