

[See all 12 Products in Family](#)

12.7mm Dia., 6.35mm Thick, Fused Silica 800nm Ti:Sapphire Mirror, 0-45 Deg AOI



Stock **#28-992** **7 In Stock**

⊖ 1 ⊕ **A\$251²⁰**

ADD TO CART

Volume Pricing	
Qty 1-5	A\$251.20 each
Qty 6-25	A\$200.00 each
Need More?	Request Quote

Product Downloads

General

Ti:Sapphire Laser Mirror **Type:**

Physical & Mechanical Properties

12.70 +0.00/-0.10 **Diameter (mm):**

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

<3 **Parallelism (arcmin):**

6.35 ±0.20	Thickness (mm):
Fine Ground	Edges:
Optical Properties	
800	Design Wavelength DWL (nm):
780 - 820	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
0-45	Angle of Incidence (°):
Laser Mirror (800nm)	Coating:
R _{abs} S & P >99.80% @ 800nm @ 0-45° AOI	Coating Specification:
λ/10	Surface Flatness (P-V):
10-5	Surface Quality:
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.