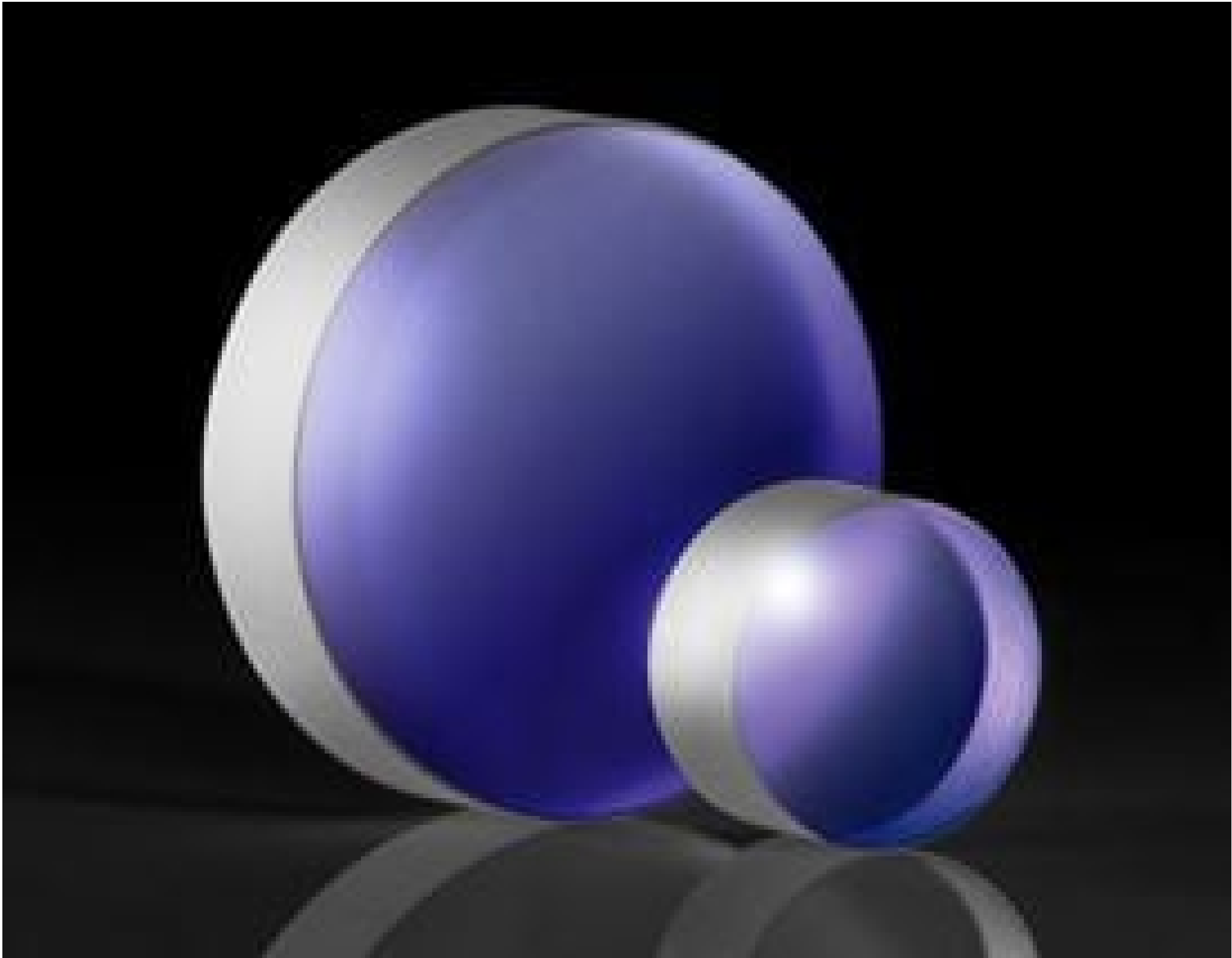


50.8mm Dia., 9.54mm Thick, Fused Silica 400nm Ti:Sapphire Mirror, 0-45 Deg AOI



Stock **#28-991** 4 In Stock

-

1

+

₹22,499

ADD TO CART

Volume Pricing	
Qty 1+	₹22,499 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Ti:Sapphire Laser Mirror

Type:

Physical & Mechanical Properties

50.80 +0.00/-0.10

Diameter (mm):

45.72	Clear Aperture CA (mm):
<3	Parallelism (arcmin):
9.54 ±0.20	Thickness (mm):
Fine Ground	Edges:

Optical Properties

400	Design Wavelength DWL (nm):
390 - 410	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: ☐
0-45	Angle of Incidence (°):
Laser Mirror (400nm)	Coating:
R _{abs} S & P >99.80% @ 400nm @ 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.