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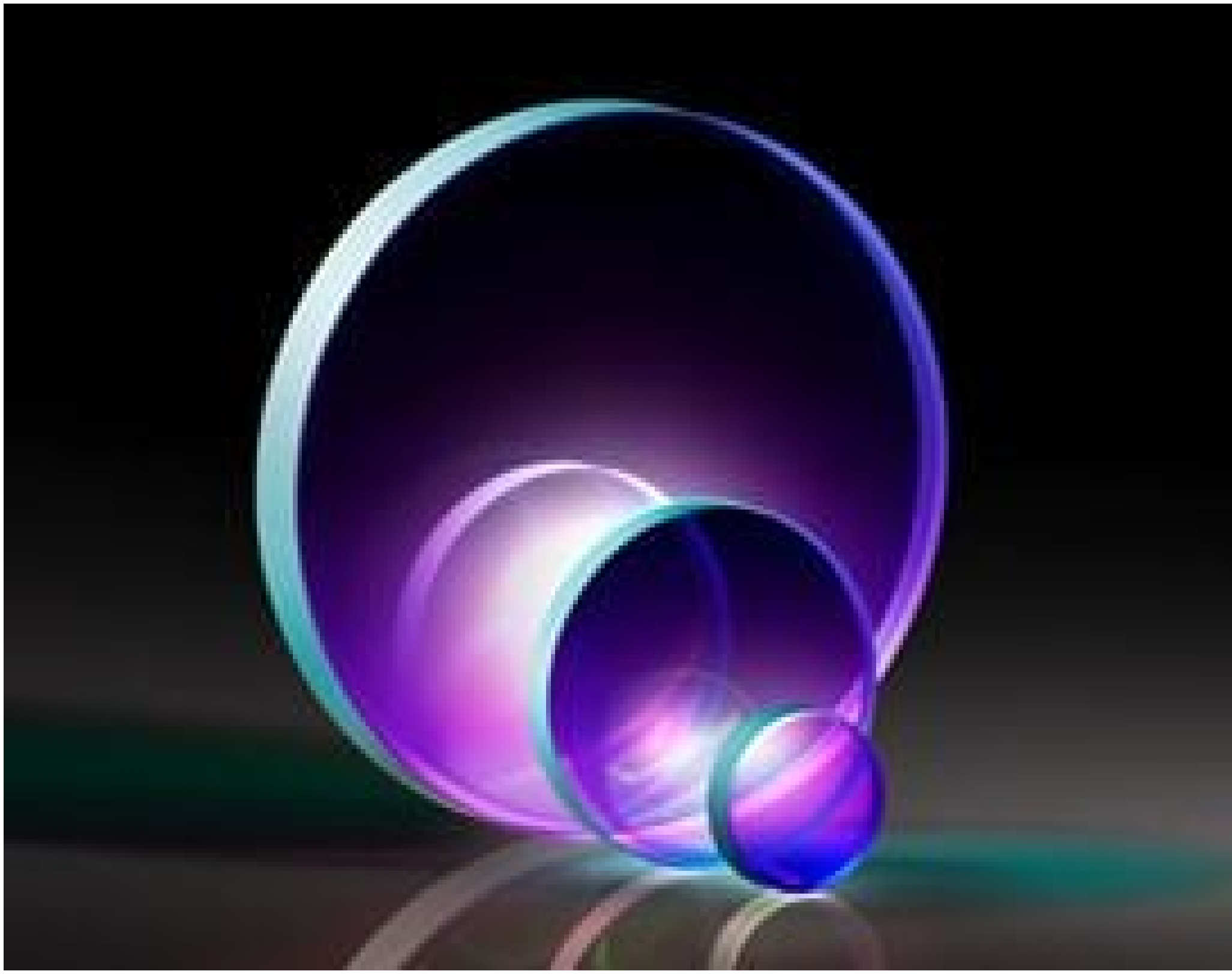
TECHSPEC® 12.7mm Dia. x 6.35mm 635-670/1064nm, 0-45° AOI, Dual Band Laser Mirror



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General

Type:
Laser Mrror

Physical & Mechanical Properties

Parallelism (arcmin):
<3

Clear Aperture (%):
>90

Back Surface:
Commercial Polish

Diameter (mm):
12.70 +0.00/-0.10

Thickness (mm):
6.35 ±0.20

Optical Properties

Surface Quality:
10-5

Reflection at DWL (%):
99.5

Coating Specification:
R_{abs} >99.5% @ 635, 670 & 1064nm

Surface Flatness (P-V):
λ/10

Coating Type:
Dielectric

Coating:
Laser Mirror (635, 670, 1064nm)

Design Wavelength DWL (nm):
635, 670, 1064

Angle of Incidence (°):
0 - 45

Substrate:
Fused Silica (Corning 7980)

Damage Threshold, Reference:
20 J/cm^2 @ 20ns

Regulatory Compliance

Certificate of Conformance:
View

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.