

TECHSPEC®

PeakPower Low-GDD Ultrafast Dielectric Mirror, 920nm, 45° AOI, 50.8mm Dia., 9.53mm Thick



Stock #29-522 4 In Stock

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1

+

₹65,682

 Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹65,682 each
Qty 6+	₹62,467 each
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Product Downloads

Physical & Mechanical Properties	
50.80 +0.00/-0.10	Diameter (mm):
9.53 ±0.10	Thickness (mm):
Commercial Polish	Edges:

Protective as needed		Bevel:
Optical Properties		
Surface Quality:		10-5
Coating Specification:		R _s > 99.50% @ 840 - 1010nm @ 45° AOI R _p > 99.50% @ 870 - 980nm @ 45° AOI
GDD Specification:		0±50 fs ² @ 840 - 1010nm @ 45° AOI (s-pol) 0±50 fs ² @ 880 - 960nm @ 45° AOI (p-pol)
Surface Flatness (P-V):		λ/10
Design Wavelength DWL (nm):		840 - 1010, 870 - 980
Damage Threshold, Reference: ☐		0.5J/cm ² @ 920nm, 100-on-1, S-Polarization, 5Hz, Pulse Duration 25fs, 350µm Dia.
Regulatory Compliance		
Certificate of Conformance:		View
Country of Origin:		United States
Imported By:		Edmund Optics India Private Limited

Product Details

- High Femtosecond Laser Damage Threshold exceeding 0.75J/cm² for 25fs Pulse Duration at 920nm
- > 99.5% Reflectivity with Near Zero Group Delay Dispersion
- [Platinum-Level 2024 Laser Focus World \(LFW\) Innovators Award](#)

TECHSPEC® PeakPower High LDT Low GDD Ultrafast Mirrors utilize an innovative design approach to maximize laser damage threshold for ultrafast pulses. These mirrors boast a near 0fs² GDD over a broad spectral bandwidth, making them suitable for the most demanding ultrafast applications. A 45° angle of incidence makes them perfectly suitable as turn mirrors in advanced ultrafast laser systems. TECHSPEC® PeakPower High LDT Low GDD Ultrafast Mirrors' high reflectivity ensures minimal loss while maintaining ultrashort pulse durations. The outstanding high laser damage threshold (LDT) values exceeding 0.75J/cm² for 25fs Pulse Duration at 920nm for these mirrors ensures they will perform even under exceptionally high ultrafast pulse energies.