

TECHSPEC[®]

Max PeakPower Low-GDD Ultrafast Dielectric Mirror, 920nm, 45° AOI, 25.4mm Dia., 6.35mm Thick



Stock #29-524 20+ In Stock

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1

+

€510^{.00}

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Volume Pricing	
Qty 1-5	€510,00 each
Qty 6+	€482,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

Physical & Mechanical Properties

25.40 +0.00/-0.10

Diameter (mm):

6.35 ±0.10

Thickness (mm):

Commercial Polish

Edges:

Protective as needed	Bevel:
Optical Properties	
10-5	Surface Quality:
Coating Specification: R _s > 99.50% @ 830 - 1010nm @ 45° AOI R _p > 99.50% @ 840 - 997nm @ 45° AOI	
GDD Specification: 0 ±50 fs ² @ 830 - 1010nm @ 45° AOI(s-pol) 0±50 fs ² @ 861 - 966nm @ 45° AOI (p-pol)	
λ/10	Surface Flatness (P-V):
Design Wavelength DWL (nm): 830 - 1010	
Damage Threshold, Reference: ☐ 0.75J/cm ² @ 920nm, 100-on-1, S-Polarization, 5Hz, Pulse Duration 25fs, 350μm Dia.	
Regulatory Compliance	
View	Certificate of Conformance:

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.

Coating Curves