

12.7mm 5°, 1030nm Highly-Dispersive Broadband Ultrafast Mirror

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Stock #12-327 3-4 DAYS

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Type:
Laser Mirror

Typical Applications:
Yb:doped 1st Harmonic

Wedge (arcmin):
10 ±5

Clear Aperture (%) 80
Back Surface: Commercial Polish
Reflection at DWL (%) 99.9 (typical, p-polarization)
Coating Specification: R_{avg} >99.8%, GDD = -200 fs² @ 950 - 1120nm (p-polarization) R_{abs} >99.9% @ 1030nm (typical, p-polarization)
GDD Specification: -200fs² @ 950 -1120nm
Wavelength Range (nm): 950 - 1120
Irregularity (P-V) @ 632.8nm: λ/10
Coating Type: Dielectric
Coating: Ultrafast (950-1120nm)
Design Wavelength DWL (nm): 1030
Diameter (mm): 12.70 +0.0/-0.1
Thickness (mm): 6.35 ±0.2
Angle of Incidence (°): 5
Substrate: Fused Silica (Corning 7980)
Damage Threshold, Reference: >0.1 J/cm² for 190 fs @ 1 kHz rep rate @ 1030nm

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant