

25.4mm Dia., 45°, 725 - 1000nm Ultrafast Chirped Mirror

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Type:
Laser Mirror

Typical Applications:
Pulse Compression @45° of Ti:sapphire Ultrafast Lasers

Wedge (arcmin):

<10
Clear Aperture (%) : 80
Back Surface: Commercial Polish
Reflection at DWL (%) : 99.8
Coating Specification: R _{avg} >99.8% @ 725 - 1000nm (P-Polarization)
GDD Specification: -70fs ² @ 725 - 1000nm (P-Polarization)
Wavelength Range (nm): 725 - 1000
Irregularity (P-V) @ 632.8nm: λ/10
Coating Type: Dielectric
Coating: Ultrafast Chirped (725-1000nm)
Design Wavelength DWL (nm): 800
Diameter (mm): 25.40 +0.00/-0.10
Thickness (mm): 6.35 ±0.2
Angle of Incidence (°): 45
Substrate: ☐ Fused Silica (Corning 7980)
Damage Threshold, By Design: ☐ 0.2 J/cm ² @ 800nm, 50fs, 1kHz, 100µm Beam Diameter

Regulatory Compliance

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