

TECHSPEC® 320 - 370nm, 50.8mm Dia., Ultrafast Mirror



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Surface Quality:
10-5

Type:
Laser Mirror

Typical Applications:
Yb:doped Lasers 3rd Harmonic

Clear Aperture (%):

>80
Back Surface: Commercial Polish
Coating Specification: R _s >99.75% @ 320 - 370nm R _p >99.5% @ 327 - 363nm
GDD Specification: 0 ±10fs ² @ 320 - 370nm (s-pol), @ 330 - 360nm (p-pol)
Wavelength Range (nm): 320 - 370
Surface Flatness (P-V): λ/8
Coating Type: Dielectric
Coating: Ultrafast (320-370nm)
Design Wavelength DWL (nm): 343
Diameter (mm): 50.80 +0.00/-0.10
Thickness (mm): 9.52 ±0.10
Angle of Incidence (°): 45
Substrate: ☐ Fused Silica (Corning 7980)
Parallelism (arcsec): <10
Damage Threshold, By Design: ☐ 0.55 J/cm ² @ 343nm, 180fs FWHM, S-polarization, 1 pulse (typical) 0.25 J/cm ² @ 343nm, 180fs FWHM, S-polarization, 1000 pulses (typical) 0.37 J/cm ² @ 343nm, 180fs FWHM, P-polarization, 1 pulse (typical) 0.22 J/cm ² @ 343nm, 180fs FWHM, P-polarization, 1000 pulses (typical) 0.35 J/cm ² @ 343 nm, 1 ps FWHM, 100 Hz, P-polarization, 1000 pulses

Regulatory Compliance

RoHS 2015: Compliant
Reach 205: Compliant
Certificate of Conformance: View