

TECHSPEC® 500 - 530nm, 12.7mm Dia., Ultrafast Mirror



Stock #17-551 3-4 DAYS

⊖ 1 ⊕ **€183,00**

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Qty 1-5
€183,00

Qty 6+
€161,00

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ⓘ Prices shown are exclusive of VAT/local taxes

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Surface Quality:
20-10

Type:
Laser Mirror

Typical Applications:
Yb:doped Lasers 2nd Harmonic

Parallelism (arcmin): <3
Clear Aperture (%): >90
Back Surface: Commercial Polish
Coating Specification: R _s >99.75% @ 500 - 530nm R _p >99.5% @ 500 - 530nm
GDD Specification: 0 ±20fs ² @ 500 - 530nm (s-pol & p-pol)
Wavelength Range (nm): 500 - 530
Surface Flatness (P-V): λ/8
Coating Type: Dielectric
Coating: Ultrafast (480-550nm)
Design Wavelength DWL (nm): 515
Diameter (mm): 12.70 +0.00/-0.10
Thickness (mm): 6.35 ±0.20
Angle of Incidence (°): 45
Substrate:  Fused Silica (Corning 7980)
Note: This optic can be used over an extended wavelength range of 480-550nm for S-polarized light.
Damage Threshold, Reference:  0.17 J/cm ² @ 515nm, 178fs, 1 pulse (typical) 0.15 J/cm ² @ 515nm, 178fs, 10kHz, 1000 pulses (typical) 0.2 J/cm ² @ 515 nm, 1 ps FWHM, 100 Hz, P-Polarization, 1000 pulses

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View