

TECHSPEC®

515, 1030nm, 50.8mm Dia., Dual Band Low GDD Mirror



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A\$1,025.60

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Angle of Incidence (°): 45
Coating: Ultrafast (500-540, 1000-1070nm)
Design Wavelength DWL (nm): 515, 1030
Diameter (mm): 50.80 +0/-0.1

Substrate: Fused Silica (Coming 7980)
Surface Quality: 10-5
Thickness (mm): 9.53 ±0.20
Type: Laser Mirror
Typical Applications: Beam transport of 1st and 2nd harmonic of Yb:doped lasers
Parallelism (arcmin): <3
Clear Aperture (%): >86
Back Surface: Commercial Polish
Coating Specification: R_s>99.9% @500-540nm R_p>99.8% @507-527nm; R_s>99.9% @1000-1070nm R_p>99.8% @1005-1070nm
Wavelength Range (nm): 500 - 540, 1000 - 1070
Surface Flatness (P-V): <N/6 @ 632.8nm over 40mm aperture
Coating Type: S1: Dielectric S2: Stress-compensating
GDD Specification: <35fs² @ 500 - 540nm (s-pol) <50fs² @ 510 - 525nm (p-pol) <20fs² @ 1000 - 1070nm (s-pol) <40fs² @ 1010 - 1055nm (p-pol)

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View