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TECHSPEC® High Performance 2μm Laser Line Mirrors



- Laser Damage Threshold $>10 \text{ J/cm}^2$ @ 2μm, 10ns, 10Hz
- Designed for Holmium and Thulium Laser Sources
- $\lambda/7$ Surface Accuracy

Common Specifications

Physical & Mechanical Properties

Parallelism (arcmin):	<3	Clear Aperture (%):	90
Back Surface:	Compensating Coating	Thickness (mm):	6.35 ±0.2

Optical Properties

Surface Quality:	40-20	Reflection at DWL (%):	99.6
Reflectivity (Rs%):	99.6	Reflectivity (Rp%):	99.9
Coating Specification:	R _s >99.9% @ 1900 – 2200nm R _p >99.6% @ 1940 – 2100nm	Wavelength Range (nm):	1900 - 2200
Surface Flatness (P-V):	λ/7 @ 2000nm	Coating Type:	Dielectric
Coating:	Laser Mirror (1900-2200nm)	Design Wavelength DWL (nm):	2000
Angle of Incidence (°):	45	Substrate:	Fused Silica (Corning 7980)
Damage Threshold, By Design:	>10 J/cm ² @ 2000nm, 10ns, 10Hz		

Technical Information

Products

Wavelength Range (nm)	DWL (nm)	Dia. (mm)	Thickness (mm)	AOI (°)	Stock Number	Price	Buy
1900 - 2200	2000	12.70	6.35	45	#37-501	£293.29	20+ In Stock
1900 - 2200	2000	25.40	6.35	45	#37-502	£323.94	Contact Us



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