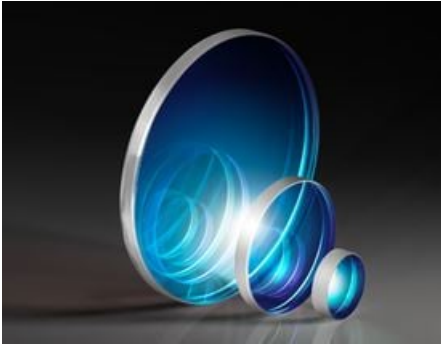


[All Products](#) / [Laser Optics](#) / [Laser Mirrors](#) / [Laser Line Mirrors](#)

Yb-Doped Dichroic Mirrors



- High Reflectivity at 1030nm and High Transmission at 940nm
- Low Group Delay Dispersion (GDD) $< \pm 100 \text{fs}^2$
- Dichroic Mirror Ideal for Ytterbium (Yb) Lasers

Common Specifications

Physical & Mechanical Properties			
Thickness (mm):	3.00 ±0.20	Edges:	Fine Ground
Wedge Angle (arcmin):	30' ±10'		
Optical Properties			
Design Wavelength DWL (nm):	940nm/1030nm		
Substrate:	Fused Silica (Corning 7980)	Angle of Incidence (°):	0 - 5
Coating:	S1: HR 1030nm ± 5nm, AR 940 ± 5nm S2: AR 940nm & 1030nm ± 5nm	Coating Specification:	S1: R _p & R _s >99.5% @ 1030nm; T _p & T _s >98% @ 940nm @ 0 – 5° AOI S2: T _p & T _s >98% @ 940nm & 1030nm
Index of Refraction (n _d):	1.458	Surface Flatness (P-V):	λ/10
Surface Quality:	10-5	Damage Threshold, Reference:	> 20 J/cm ² @ 10ns pulses @5 kHz PRF 1MW/cm ² CW

Technical Information

Products

Title	Stock Number	Price	Buy
12.5mm Dia., Low GDD 940/1030nm Yb-Doped Dichroic Mirrors	#28-971	€309,00 Volume Pricing	5 In Stock
25mm Dia., Low GDD 940/1030nm Yb-Doped Dichroic Mirrors	#28-972	€551,05 Volume Pricing	7 In Stock
50mm Dia., Low GDD 940/1030nm Yb-Doped Dichroic Mirrors	#28-973	€942,45 Volume Pricing	Contact Us



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK

Phone: 1-800-363-1992 :

www.edmundoptics.com