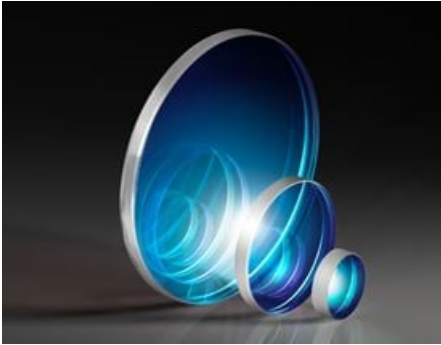


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Yb-Doped Dichroic Mirrors



- 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
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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
Wedge Angle:	30' ±10'	Damage Threshold, Reference:	> 20 J/cm ² @ 10ns pulses @5 kHz PRF 1MW/cm ² CW

Technical Information

Products

Title	Stock Number	Price	Buy
#28-971 New			
	New	€300,00 Qty 6+ €255,00	3-4 days
12.5mm Dia., Low GDD 940/1030nm Yb-Doped Dichroic Mirrors	Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!		
#28-972 New			
	New	€535,00 Qty 6+ €455,00	3-4 days
25mm Dia., Low GDD 940/1030nm Yb-Doped Dichroic Mirrors	Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!		
#28-973 New			
	New	€915,00 Qty 6+ €775,00	3-4 days
50mm Dia., Low GDD 940/1030nm Yb-Doped Dichroic Mirrors	Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!		

