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UltraFast Innovations (UFI) 1030nm Highly-Dispersive Broadband Ultrafast Mirrors

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- Negative GDD of -200 fs^2 at 5° AOI
- $>99.8\%$ Reflection (p-polarization) between 950 - 1120nm
- Designed for Pulse Compression of Yb:doped Fiber Lasers
- Broadband Ultrafast Chirped Coating

Common Specifications

General

Typical Applications:	Yb:doped 1st Harmonic
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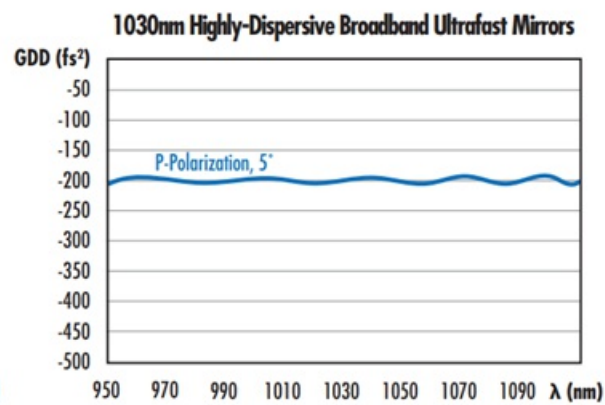
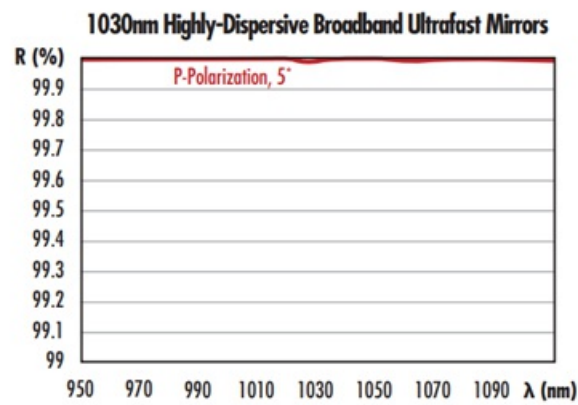
Physical & Mechanical Properties

Wedge (arcmin):	10 ±5	
Clear Aperture (%):	80	Back Surface: Commercial Polish
Thickness (mm):	6.35 ±0.2	

Optical Properties

Reflection at DWL (%):	99.9 (typical, p-polarization)	
Coating Specification:	R _{avg} >99.8%, GDD = -200 fs ² @ 950 - 1120nm (p-polarization) R _{abs} >99.9% @ 1030nm (typical, p-polarization)	GDD Specification: -200fs ² @ 950 -1120nm
Wavelength Range (nm):	950 - 1120	Irregularity (P-V) @ 632.8nm: λ/10
Coating Type:	Dielectric	Coating: Ultrafast (950-1120nm)
Design Wavelength DWL (nm):	1030	Angle of Incidence (°): 5
Substrate:	Fused Silica (Corning 7980)	Damage Threshold, Reference: >0.1 J/cm ² for 190 fs @ 1 kHz rep rate @ 1030nm

Technical Information



Products

Wavelength Range (nm)	DWL (nm)	Dia. (mm)	Thickness (mm)	AOI (°)	Stock Number	Price	Buy
950 - 1120	1030	12.70	6.35	5	#12-327	€445,00 Qty 4+ €395,00	In Stock
950 - 1120	1030	25.40	6.35	5	#12-328	€695,00 Qty 4+ €615,00	In Stock



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Phone: 1-800-363-1992 :
www.edmundoptics.com