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

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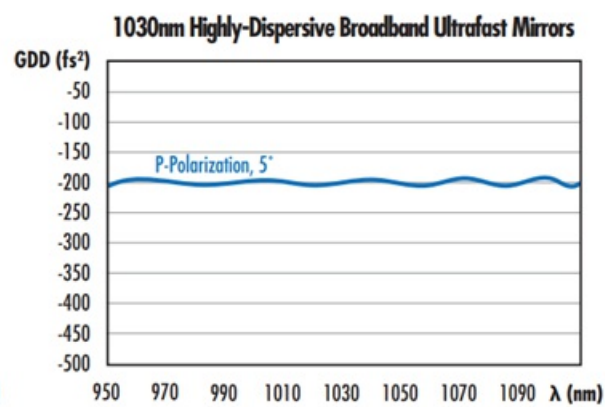
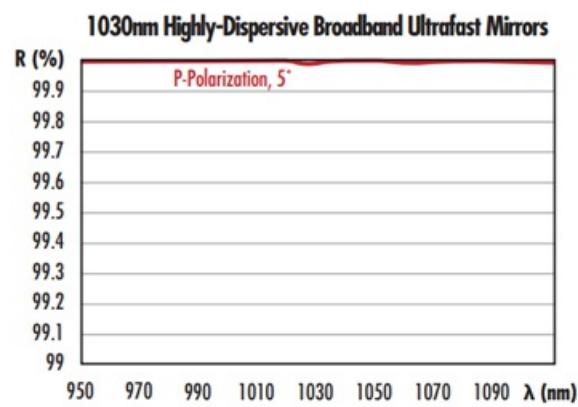


- Negative GDD of -200 fs^2 at 5° AOI
- $>99.8\%$ Reflection (p-polarization) between 950 - 1120nm
- Designed for Pulse Compression of Yb:doped Fiber Lasers
- Broadband Ultrafast Chirped Coating

Common Specifications

General			
Typical Applications:		Yb:doped 1st Harmonic	Model Number: HD120
Physical & Mechanical Properties			
Wedge Angle (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	£389.60 Volume Pricing	3 In Stock
950 - 1120	1030	25.40	6.35	5	#12-328	£608.47 Volume Pricing	20+ In Stock



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