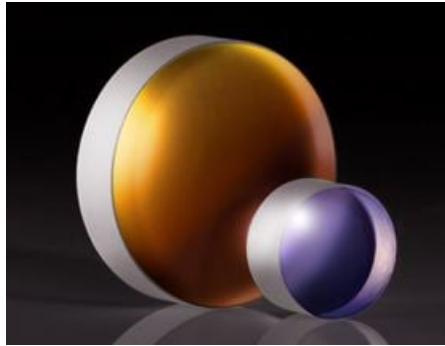


[All Products](#) / [Optics](#) / [Optical Mirrors](#) / [Ultrafast Laser Mirrors](#)

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

See More by [UltraFast Innovations \(UFI\)](#)



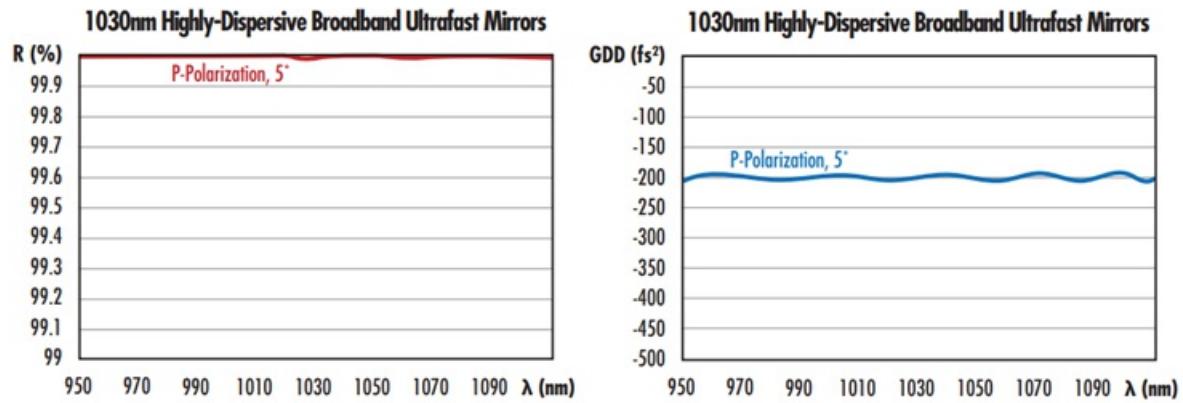
- Negative GDD of -200 fs^2 at 5° AOI
- $>99.8\%$ Reflection (p-polarization) between 950 - 1120nm
- Designed for Pulse Compression of Yb:doped Fiber Lasers
- Broadband Ultrafast Chirped Coating

Common Specifications

General

Typical Applications:	Yb:doped 1st Harmonic	Model Number:	HD120
Physical & Mechanical Properties			
Wedge Angle (arcmin):	10 \pm 5	Clear Aperture (%):	80
Back Surface:	Commercial Polish	Thickness (mm):	6.35 \pm 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:	-200 fs^2 @ 950 -1120nm	Wavelength Range (nm):	950 - 1120
Irregularity (P-V) @ 632.8nm:	$\lambda/10$	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	₹34,643 Volume Pricing	3 In Stock
950 - 1120	1030	25.40	6.35	5	#12-328	₹54,106 Volume Pricing	20+ In Stock



Copyright 2023, Edmund Optics India Private Limited, #267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038

Phone: 1-800-363-1992 :

www.edmundoptics.com