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

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- Highly Negative GDD up to -1000 fs^2 at 7° AOI
- >99.8% Minimum Reflection across 60nm Bandwidth
- Ideal for Dispersion Compensation of Yb:doped Fiber Lasers
- Ultrafast Chirped Coating

Common Specifications

General

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

Thickness (mm):	6.35 $\pm$ 0.2
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Back Surface:	Commercial Polish
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Clear Aperture (%):	80
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Wedge Angle (arcmin):	10 $\pm$ 5
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Optical Properties

Design Wavelength DWL (nm):	1030
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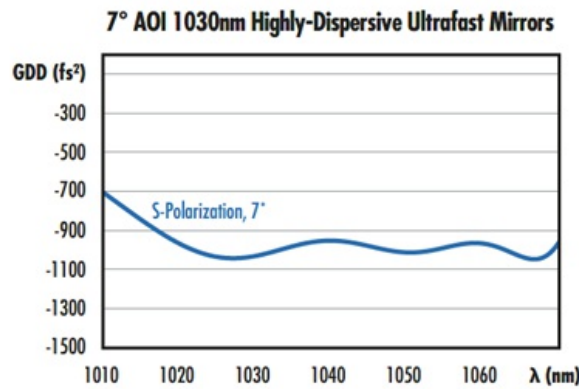
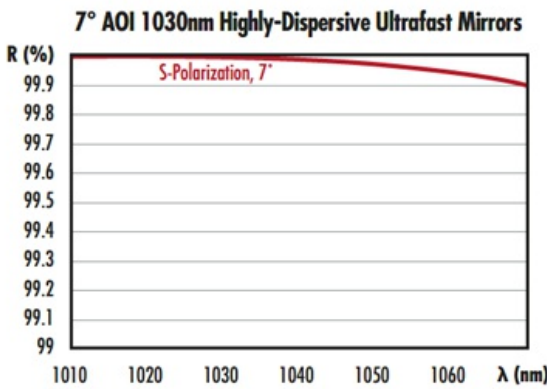
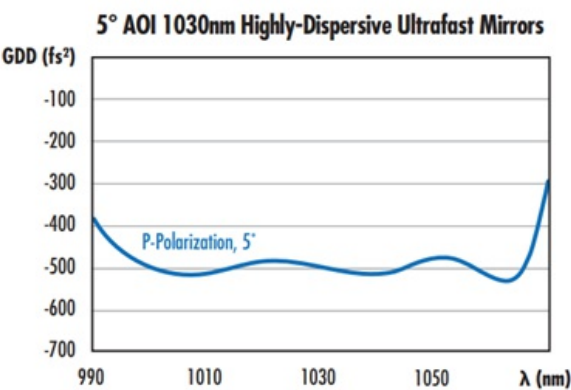
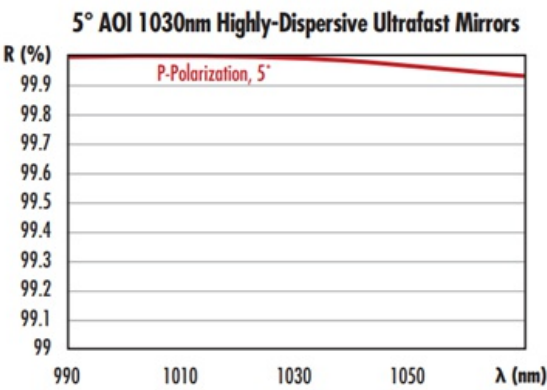
Substrate:	Fused Silica (Corning 7980)
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Coating Type:	Dielectric
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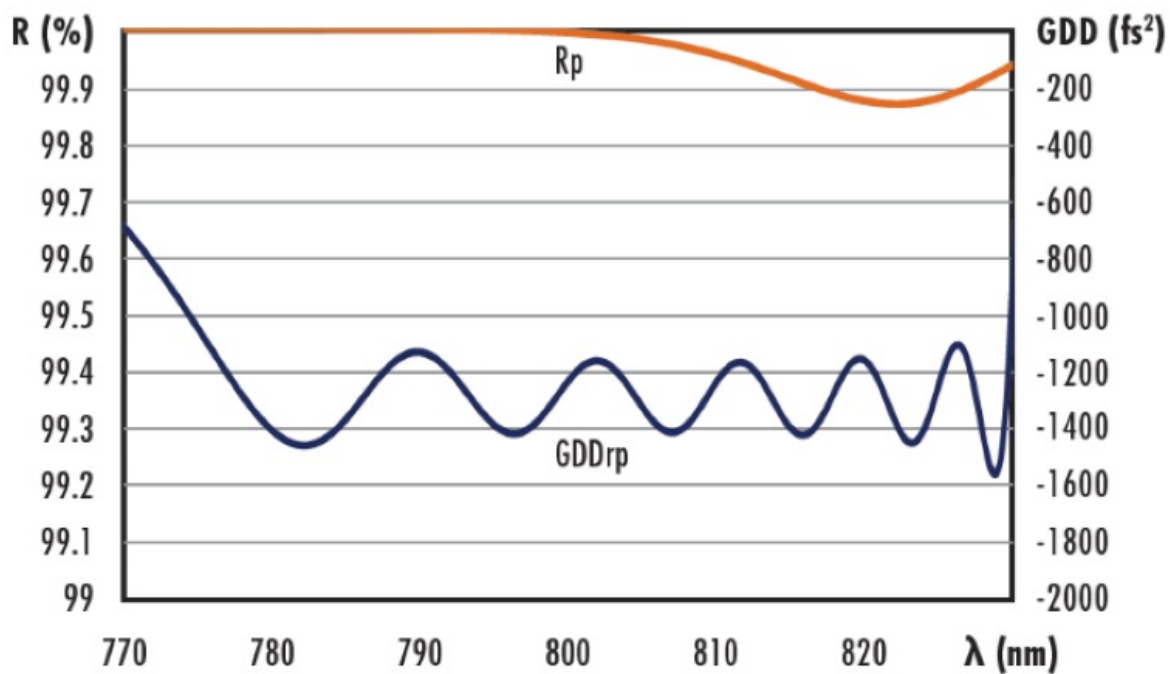
Irregularity (P-V) @ 632.8nm:	$\lambda/10$
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Damage Threshold, By Design:	0.3 J/cm ² @ 1030nm, 50fs, 1kHz, 100 μ m Beam Diameter
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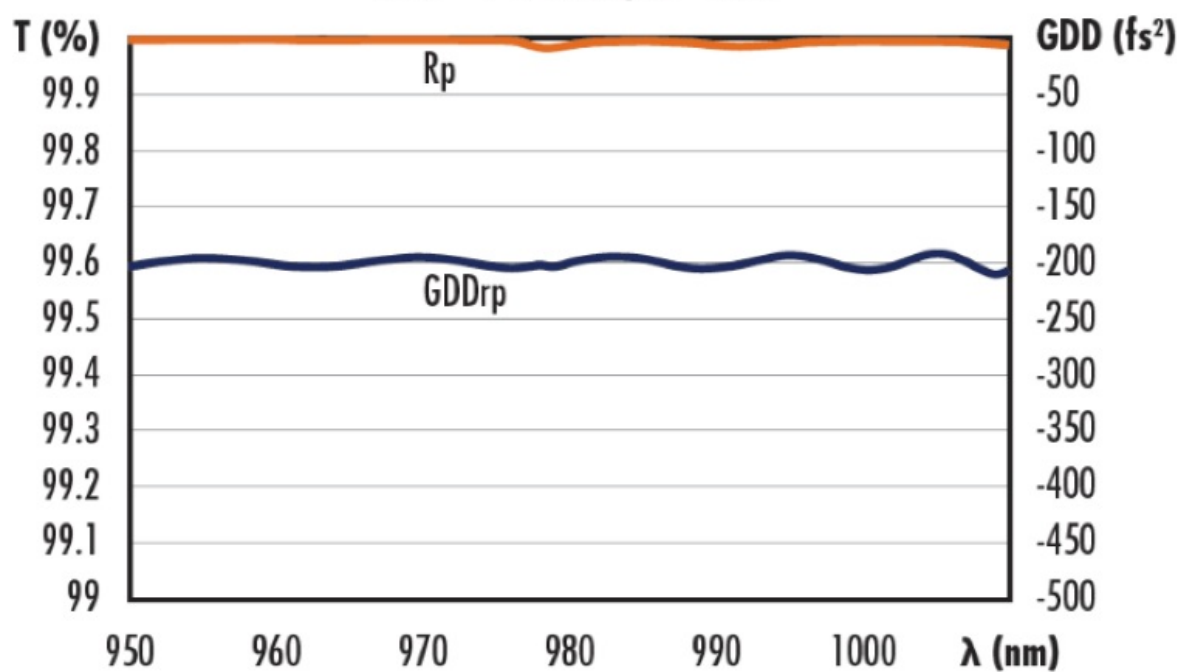
Technical Information



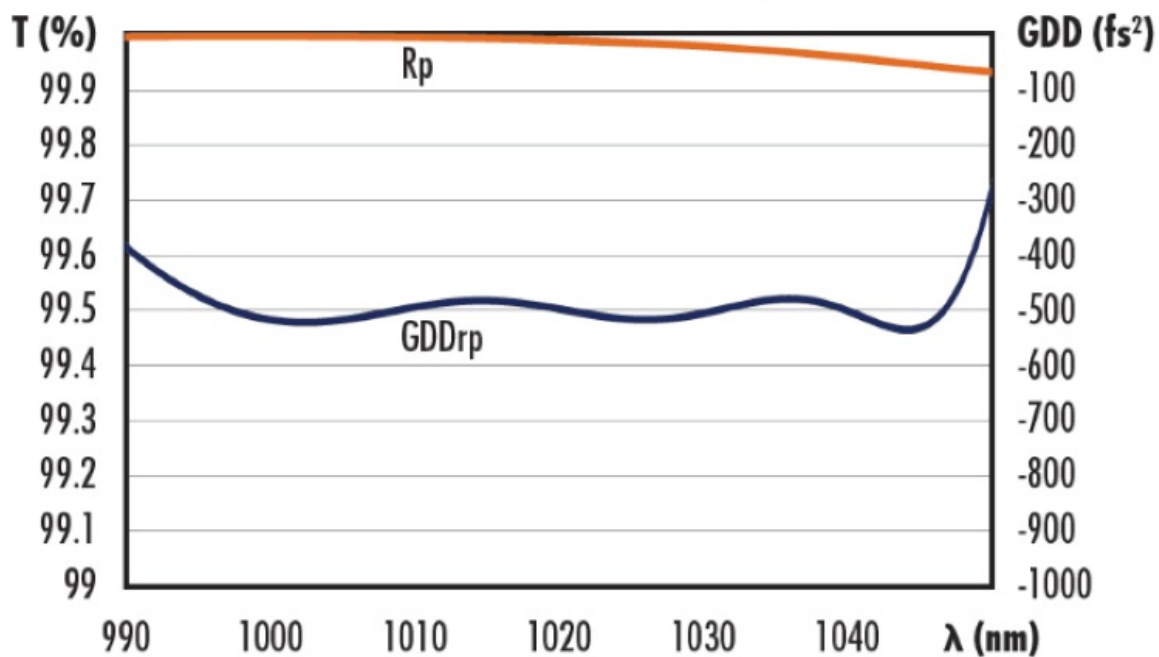
780 - 830nm, 5° AOI



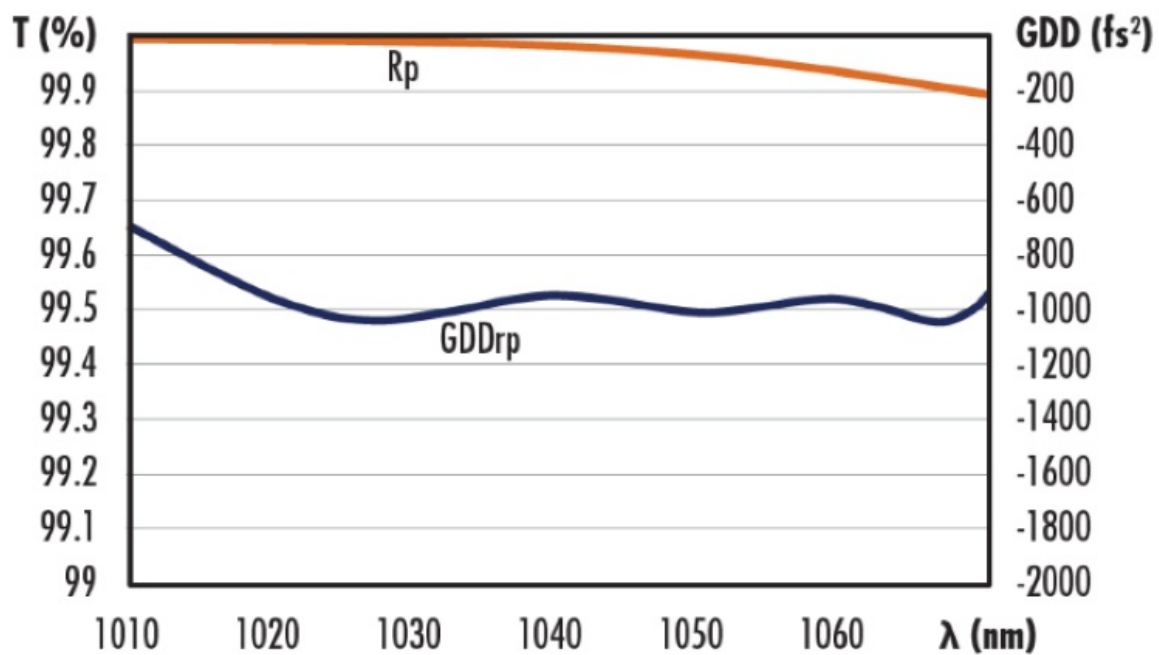
950 - 1120nm, 5° AOI



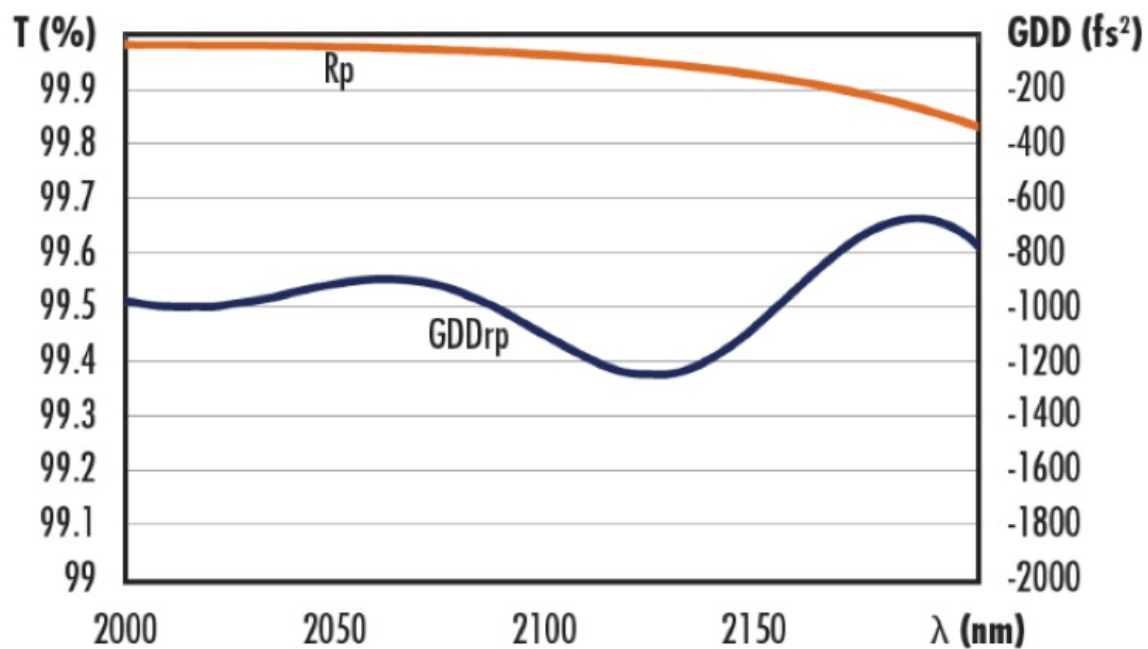
1000 - 1060nm, 5° AOI



1010 - 1070nm, 7° AOI



2000 - 2200nm, 5° AOI



Products

DWL (nm)	Wavelength Range (nm)	Dia. (mm)	AOI (°)	Reflection at DWL (%)	Thickness (mm)	Stock Number	Price	Buy
1030	1000 - 1060	12.70	5	99.9	6.35	#12-332	A\$650.96 Volume Pricing	4 In Stock
1030	1000 - 1060	25.40	5	99.9	6.35	#12-333	A\$1,095.92 Volume Pricing	20+ In Stock
1030	1010 - 1070	12.70	7	99.9	6.35	#12-334	A\$766.32 Volume Pricing	20+ In Stock
1030	1010 - 1070	25.40	7	99.9	6.35	#12-335	A\$1,244.24 Volume Pricing	9 In Stock



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