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TECHSPEC® Ultrafast Harmonic Separators



- Separates Ultrafast Harmonic Wavelengths
- Ultrafast Beamsplitter Coating with Low GDD
- $<\lambda/10$ Wavefront Distortion
- Designs for Ti:sapphire and Yb:doped Femtosecond Lasers

Common Specifications

Physical & Mechanical Properties

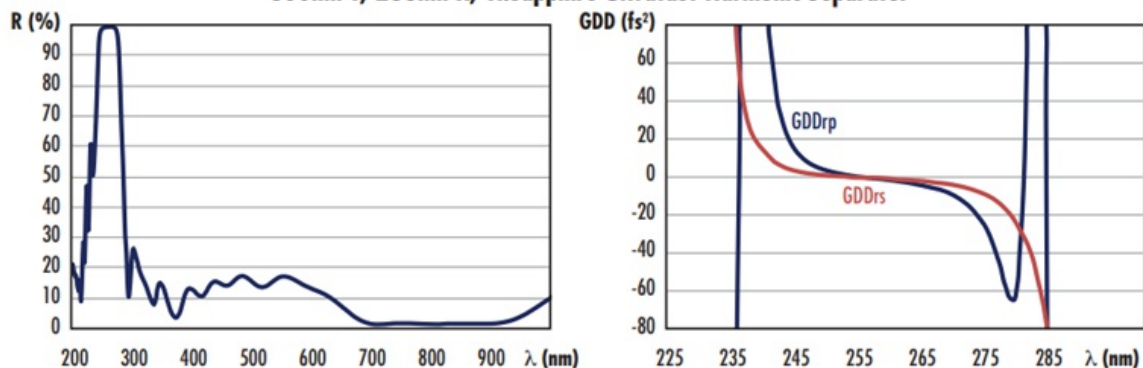
Construction:	Dichroic	Diameter (mm):	25.40 +0.00/-0.10
Parallelism (arcmin):	<3		

Optical Properties

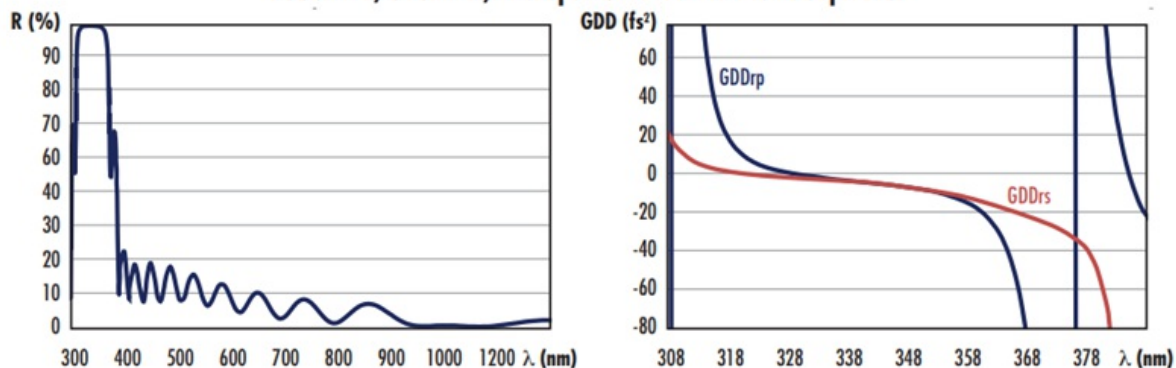
Substrate:	Fused Silica (Corning 7980)		
Surface Flatness (P-V):	$\lambda/8$	Surface Quality:	10-5

Technical Information

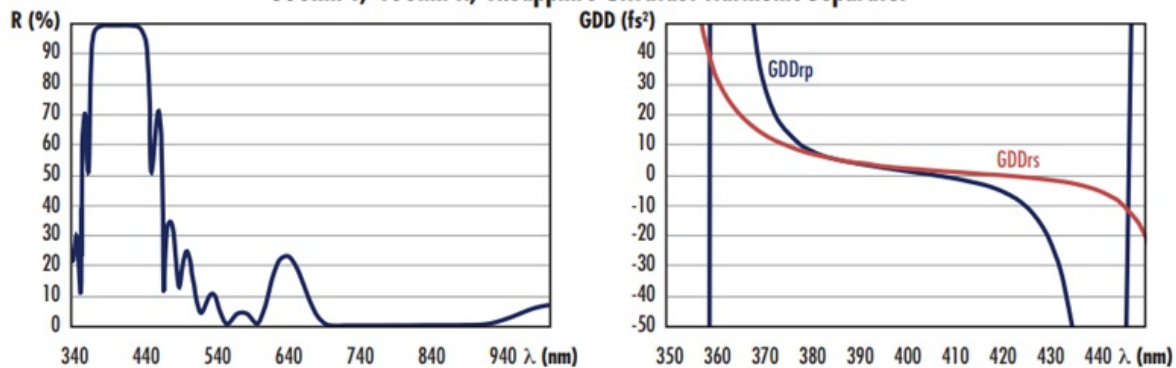
800nm T, 266nm R, Ti:sapphire Ultrafast Harmonic Separator



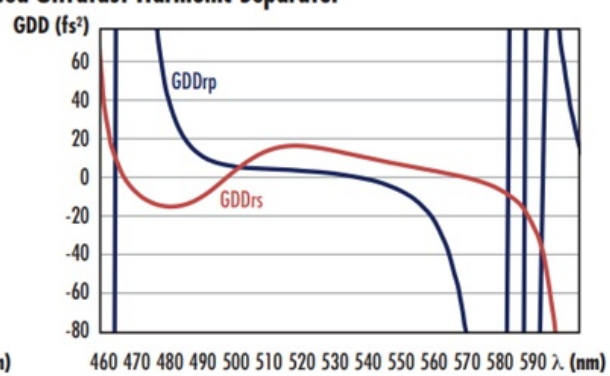
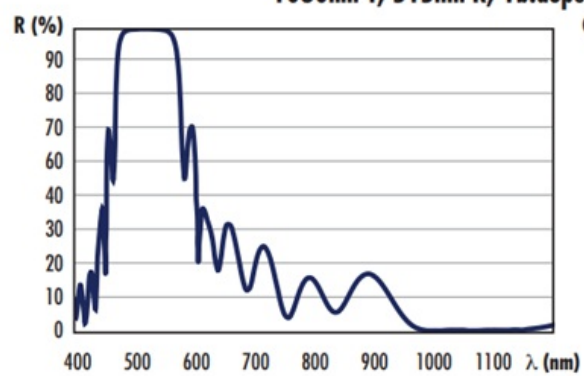
1030nm T, 343nm R, Yb:doped Ultrafast Harmonic Separator



800nm T, 400nm R, Ti:sapphire Ultrafast Harmonic Separator



1030nm T, 515nm R, Yb:doped Ultrafast Harmonic Separator



Products

Reflection Wavelength (nm)	Transmission Wavelength (nm)	AOI (°)	Coating Specification	Surface Flatness (P-V)	Stock Number	Price	Buy
266	800	45	Surface 1: R _{avg} >98% @ 258 - 272nm T _{avg} >98% @ 700 - 900nm Surface 2: R _{avg} <1% @ 700 - 900nm	λ/8	#12-662	C\$414.04 Volume Pricing	20+ In Stock
343	1030	45	Surface 1: R _{avg} >99% @ 323 - 354nm T _{avg} >98% @ 1000 - 1090nm Surface 2: R _{avg} <0.8% @ 1000 - 1090nm	λ/8	#12-664	C\$414.04 Volume Pricing	13 In Stock
400	800	45	S1: R>99% @ 376 - 425nm @ 45° AOI T>98% @ 700 - 900nm @ 45° AOI S2: R _{avg} <1% @ 700 - 900nm	λ/8	#12-661	C\$414.04 Volume Pricing	20+ In Stock
515	1030	45	Surface 1: R _{avg} >99.5% @ 505 - 535nm T _{avg} >98% @ 1000 - 1090nm Surface 2: R _{avg} <0.8% @ 1000 - 1090nm	λ/8	#12-663	C\$414.04 Volume Pricing	20+ In Stock
266	800	0	Surface 1: R _{avg} >98% @ 258 - 272nm T _{avg} >98% @ 700 - 900nm Surface 2: R _{avg} <1% @ 700 - 900nm	λ/8	#22-676	C\$414.04 Volume Pricing	20+ In Stock

343	1030	0	Surface 1: $R_{avg} > 99\%$ @ 323 - 354nm $T_{avg} > 98\%$ @ 1000 - 1090nm Surface 2: $R_{avg} < 0.8\%$ @ 1000 - 1090nm	$\lambda/8$	#22-677	C\$414.04 Volume Pricing	20+ In Stock
400	800	0	Surface 1: $R_{avg} > 99\%$ @ 376 - 425nm $T_{avg} > 98\%$ @ 700 - 900nm Surface 2: $R_{avg} < 1\%$ @ 700 - 900nm	$\lambda/8$	#22-678	C\$414.04 Volume Pricing	20+ In Stock
515	1030	0	Surface 1: $R_{avg} > 99.5\%$ @ 505 - 535nm T_{avg} $> 98\%$ @ 1000 - 1090nm Surface 2: $R_{avg} < 0.8\%$ @ 1000 - 1090nm	$\lambda/8$	#22-679	C\$414.04 Volume Pricing	20+ In Stock



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