

[All Products](#) / [Laser Optics](#) / [Laser Mirrors](#) / [Laser Line Mirrors](#)

UltraFast Innovations (UFI) 45° AOI Ultrafast Chirped Mirrors

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

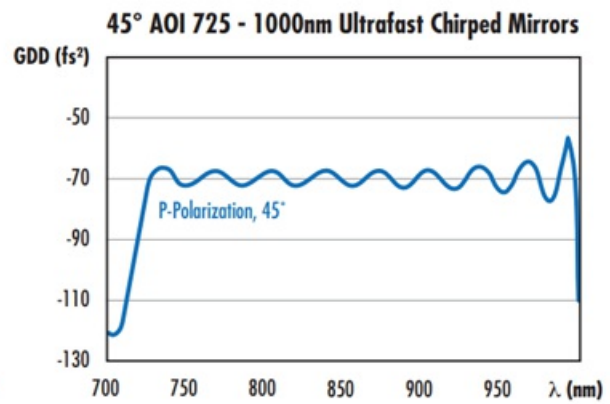
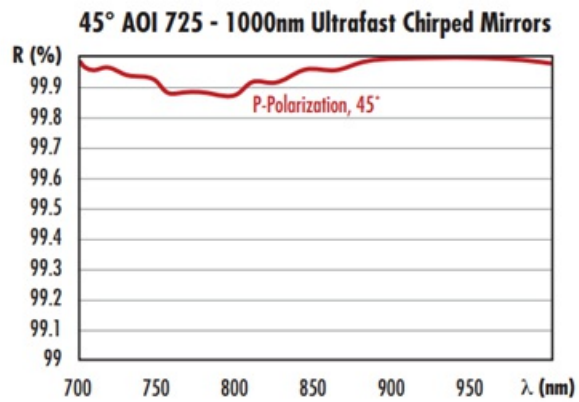


- High Reflectivity and Negative Group Delay Dispersion (GDD)
- Ideal for Dispersion Compensation and Beam Compression @ 45° AOI
- Designs for Femtosecond Lasers, Including Ti:sapphire

Common Specifications

General			
Typical Applications:		Pulse Compression @ 45° of Ti:sapphire Ultrafast Lasers	Model Number: CM68
Physical & Mechanical Properties			
Wedge Angle (arcmin):		<10	Clear Aperture (%): 80
Back Surface:		Commercial Polish	Thickness (mm): 6.35 ±0.2
Optical Properties			
Reflection at DWL (%):		99.8	Coating Specification: R _{avg} >99.8% @ 725 - 1000nm (P-Polarization)
GDD Specification:		-70fs ² @ 725 - 1000nm (P-Polarization)	Wavelength Range (nm): 725 - 1000
Irregularity (P-V) @ 632.8nm:		λ/10	Coating Type: Dielectric
Coating:		Ultrafast Chirped (725-1000nm)	Design Wavelength DWL (nm): 800
Angle of Incidence (°):		45	Substrate: Fused Silica (Corning 7980)
Damage Threshold, By Design:		0.2 J/cm ² @ 800nm, 50fs, 1kHz, 100µm Beam Diameter	

Technical Information



Products

Wavelength Range (nm)	DWL (nm)	Dia. (mm)	Thickness (mm)	AOI (°)	Stock Number	Price	Buy
725 - 1000	800	12.70	6.35	45	#12-420	£350.20 Volume Pricing	16 In Stock
725 - 1000	800	25.40	6.35	45	#12-421	£687.27 Volume Pricing	17 In Stock



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK
Phone: 1-800-363-1992 :
www.edmundoptics.com