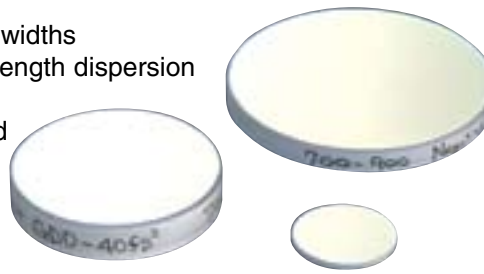


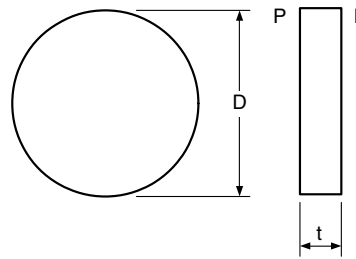
Low Dispersion Mirrors for Femtosecond Laser

- Designed for lasers with femtosecond pulse widths
- Multi-layer dielectric design minimizes wavelength dispersion
- Manufactured by plasma deposition method to provide use over a wider wavelength band
- Available in two types, high damage or broad wavelength
- Offered in 25.4 and 30.0mm diameters, custom sizes are available on request



Specifications & Tolerances

Material:	BK7
Coating:	Dielectric multilayer
Wavelength of surface flatness measurement:	632.8nm
Surface flatness:	$\lambda/10$
Parallelism:	≤ 5 arcsec
Surface quality:	20-10
Clear aperture:	80% of diameter

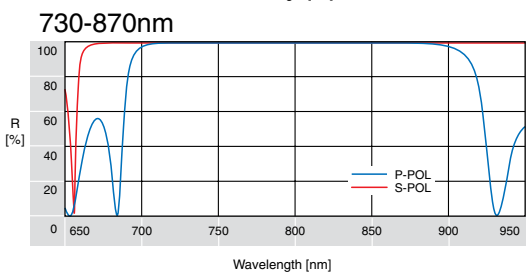
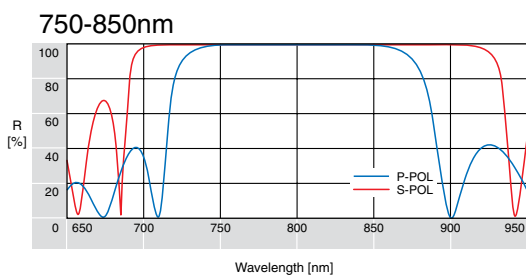


- Spherical Lenses
- Cylindrical Lenses
- Lens Kits
- Achromatic Doublets
- Multi-Element
- Micro Optics
- Mirrors**
- Prisms
- Substrates & Windows
- Beamsplitters
- Polarizers
- Filter & Apertures

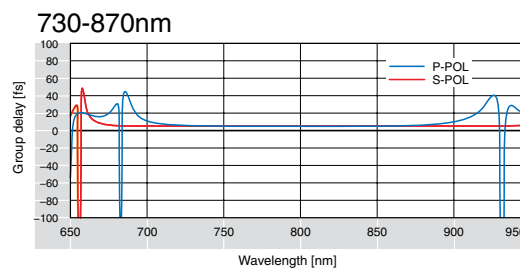
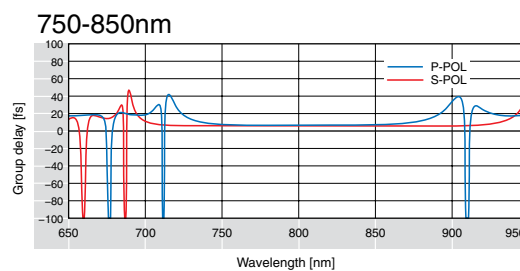
Low Dispersion Mirrors for Femtosecond Laser

Wavelength Range (nm)	Laser Type	Diameter, D (mm)	Thickness, t (mm)	Reflectance	Angle of incidence	Price	PART NUMBER
750-850	Ti:Sapphire	25.4	5	$\geq 99.8\%$	$45^\circ \pm 3^\circ$		034-4112
750-850	Ti:Sapphire	30	5	$\geq 99.8\%$	$45^\circ \pm 3^\circ$		034-4113
730-870	Ti:Sapphire	25.4	5	$\geq 99.8\%$	$45^\circ \pm 3^\circ$		034-4115
730-870	Ti:Sapphire	30	5	$\geq 99.8\%$	$45^\circ \pm 3^\circ$		034-4116

Reflectance (Reference Data)



Group Delay (Reference Data)



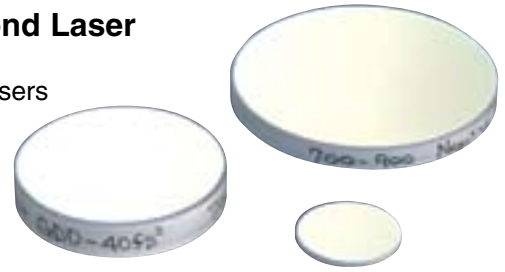
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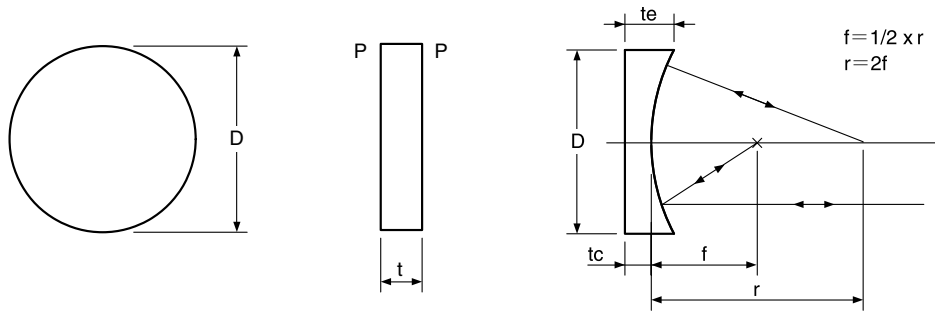
Negative Dispersion Mirrors for Femtosecond Laser

- Designed for pulse compression in Femtosecond lasers
- Offered in 25.4 and 30.0mm diameter plano mirrors
- Center wavelength is for Ti:Sapphire at 800nm.
- Concave mirrors available with 50, 100, 500 and 1000mm radius



Specifications & Tolerances

Material:	BK7
Coating:	Dielectric multilayer
Angle of incidence:	0-20°
Wavelength of surface flatness measurement:	632.8nm
Surface flatness:	$\lambda/10$
Parallelism:	≤ 5 arcsec
Surface quality:	20-10
Clear aperture:	80% of diameter



Negative Dispersion Mirrors for Femtosecond Laser — FLAT

Wavelength Range (nm)	Laser Type	Diameter, D (mm)	Thickness, t (mm)	Reflectance	Angle of incidence	Price	PART NUMBER
700-900	Ti:Sapphire	25.4	5	$\geq 99.8\%$	0°-20°		034-4136
700-900	Ti:Sapphire	30	5	$\geq 99.8\%$	0°-20°		034-4137

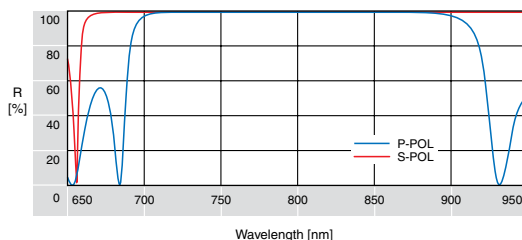
Negative Dispersion Mirrors for Femtosecond Laser — CONCAVE

Wavelength Range (nm)	Laser Type	Diameter, D (mm)	Thickness, te (mm)	r (mm)	Reflectance	Angle of incidence	Price	PART NUMBER
700-900	Ti:Sapphire	30	7	50	$\geq 99.8\%$	0°- 20°		034-4131
700-900	Ti:Sapphire	30	7	100	$\geq 99.8\%$	0°- 20°		034-4132
700-900	Ti:Sapphire	30	5	500	$\geq 99.8\%$	0°- 20°		034-4133
700-900	Ti:Sapphire	30	5	1000	$\geq 99.8\%$	0°- 20°		034-4134

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Reflectance (Reference Data)



Group Delay (Reference Data)

