

Broadband Femtosecond Optics _ Dispersion-Compensating Mirrors

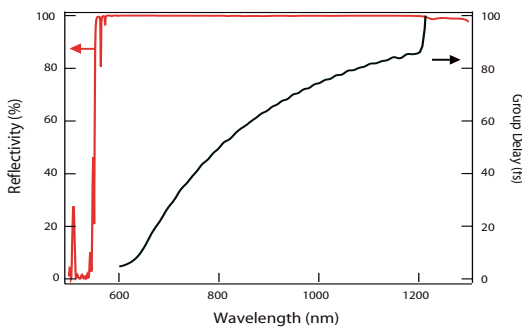
▶ VENTEON Laser Technologies is exclusive distributor of NANEON | CHORD broadband femtosecond optics by Nanolayers Optical Coatings GmbH. These high-quality optics are manufactured with Ion Beam Sputtering (IBS) for superior performance with most demanding specifications, highest damage thresholds and unreached layer accuracy. Only such high quality mirrors are used in the VENTEON products.

▶ NANEON | CHORD : DCM7 - Octave-Spanning Mirrors for Ti:Sa Oscillators and Pulse Compression

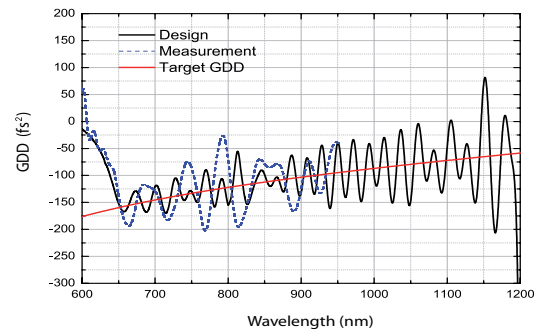
▶ Specifications



- Wavelength range: 600 - 1200 nm
- Coating side 1: HR > 99.92% @ 600 - 1200 nm, GDD - 120² fs² (@ 800 nm/pair)
- Coating side 2: AR @ 513 - 540 nm
- Pump window: 515 - 532 nm
- Substrate: Fused Silica, UV-Grade, λ/10, S/D: 10-5
- Diameter: 1/2" | Thickness: 9.5 mm
- ROC: flat | AOI: 6°



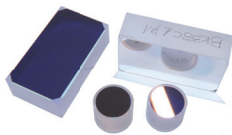
▶ Reflectivity and reflected group delay (GD) design data.



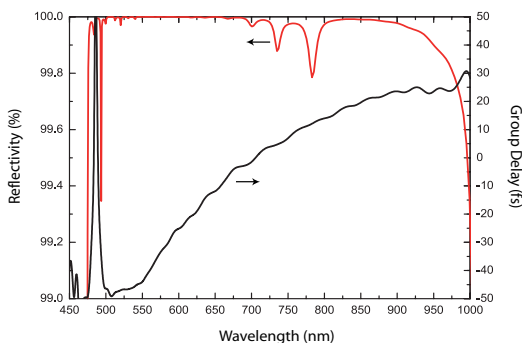
▶ Reflected group delay dispersion (GDD).

▶ NANEON | CHORD : DCM9 - Broadband Dispersion Compensating Mirrors for Filamentation, OPG and Amplified Pulses

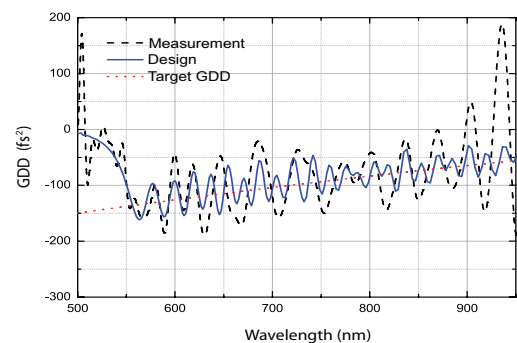
▶ Specifications



- Wavelength range: 500 - 1000 nm
- Coating side 1: HR > 99.8% @ 500 - 1000 nm, GDD - 100 fs² (@ 700 nm/pair)
- Coating side 2: AR @ 400 nm
- Pump window: 400 nm
- Substrate: Fused Silica, UV-Grade, λ/10, S/D: 10-5
- Dimensions:
 - Round: 1/2" | Thickness: 9.5 mm
 - Rectangular: 35 x 20 mm | Thickness: 10 mm
- ROC: flat | AOI: 6°



▶ Reflectivity and reflected group delay (GD) design data.



▶ Reflected group delay dispersion (GDD).