

## Broadband Femtosecond Optics \_ Dispersion-Compensating Mirrors

▶ VENTEON Laser Technologies is exclusive distributor of the NANE0 | CHORD broadband femtosecond optics by Nanolayers Optical Coatings GmbH, used in the VENTEON products. 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.

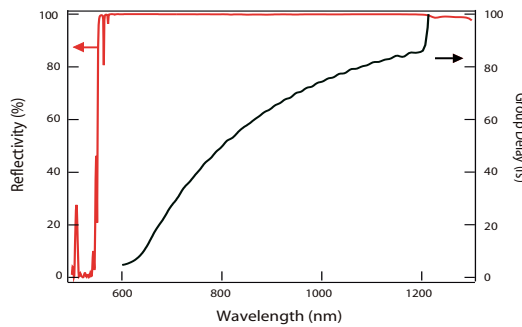


### ▶ NANE0 | CHORD : DCM7 - Octave-Spanning Mirrors for Ti:Sa Oscillators and Pulse Compression

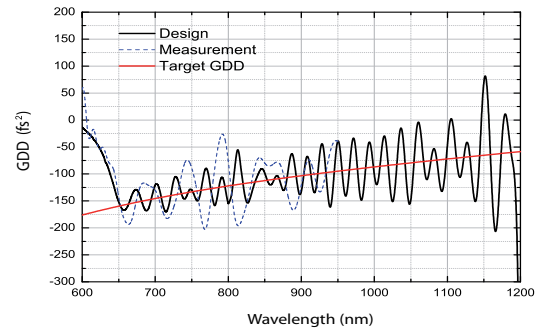
#### ▶ Specifications



- Wavelength range: 600-1200 nm
- Coating side 1: HR > 99.92% @ 600 - 1200 nm, GDD - 120 fs (@ 800 nm/pair)
- Coating side 2: AR @ 513 - 540 nm
- Pump window: 515 - 532 nm
- Substrate: Fused Silica, UV-Grade,  $\lambda/10$ , S/D: 10-5
- Diameter: 1/2" | Thickness: 9.5 mm
- ROC: flat | AOI: 6°



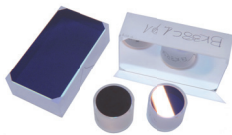
▶ Reflectivity and reflected group delay (GD)



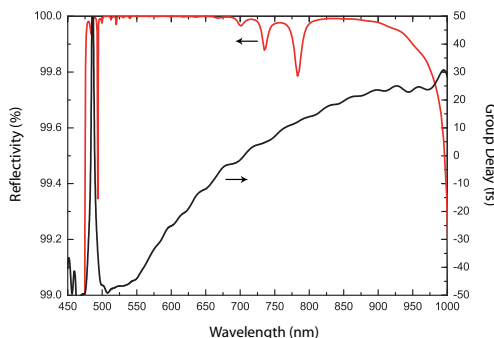
▶ Reflected group delay dispersion (GDD)

### ▶ NANE0 | CHORD : DCM9 - Broadband Dispersion Compensating Mirrors for Filamentation, OPG and Amplified Pulses

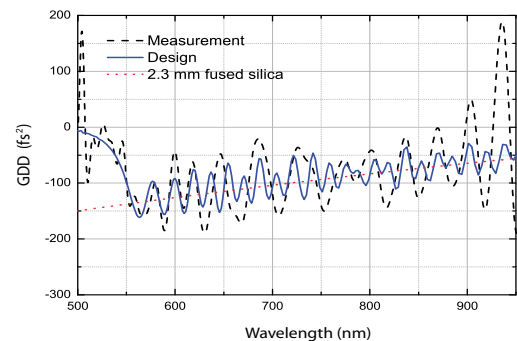
#### ▶ Specifications



- Wavelength range: 500-1000 nm
- Coating side 1: HR > 99.8% @ 500 - 1000 nm, GDD - 100 fs (@ 700 nm/pair)
- Coating side 2: AR @ 400 nm
- Pump window: 400 nm
- Substrate: Fused Silica, UV-Grade,  $\lambda/10$ , 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)



▶ Reflected group delay dispersion (GDD)