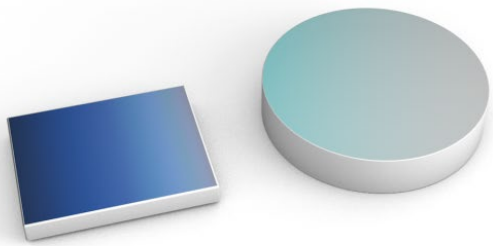
Broadband Low GDD Ultrafast Mirrors



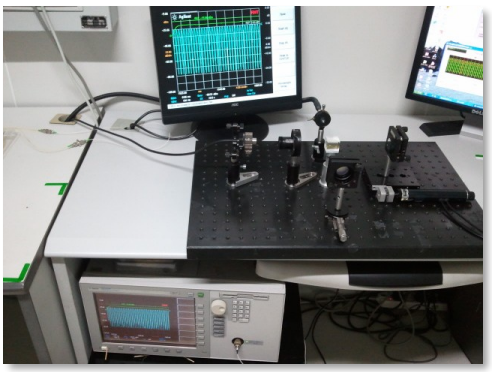
- Material: Fused Silica or N-BK7
- Custom reflectivity and GDD
- Dielectric broadband coatings
- High damage threshold

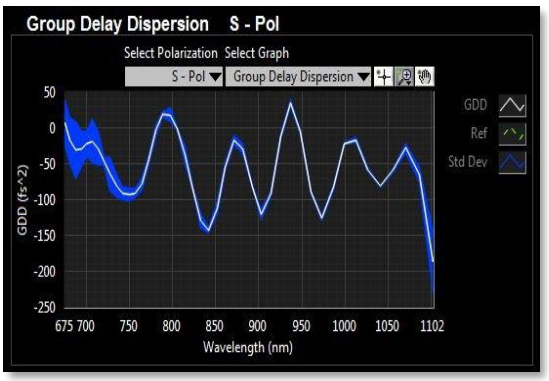
Broadband low GDD ultrafast mirrors are designed to be used in femtosecond laser applications. They are coated using electron beam multilayer dielectric or ion beam sputtering technologies. CASTECH offers different coatings for broadband low GDD ultrafast mirrors upon request.

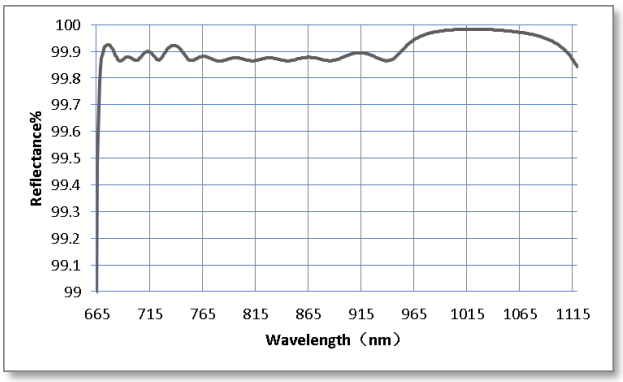
Metrology

CASTECH offers group delay dispersion report by specialized GDD measurement in house. We have a wide range of measure instrument to guarantee high reflectivity, including Cavity-Ring-Down, Varian Cary-5000, Varian Cary-6000, Varian Cary-7000, Perkin Elmer Lambda-950 and Spectrum 100FTIR. Every coating batch is tested to promise high-performance reflectivity values to fit your needs.

GDD Measurement System
GDD resolution: ± 5 fs^2







GDD= -50±100 fs^2

Angle of Incidence: 0-5°

R>99.7%@(675-1100)nm

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