

Low GDD Mirrors for Femto-line lasers

A series of Low group delay dispersion (GDD) mirrors are designed for the femtosecond laser applications, the mirrors have a broad operation wavelength range and linear phase versus frequency characteristics. The free-design and customized special mirrors are available upon customer's request.



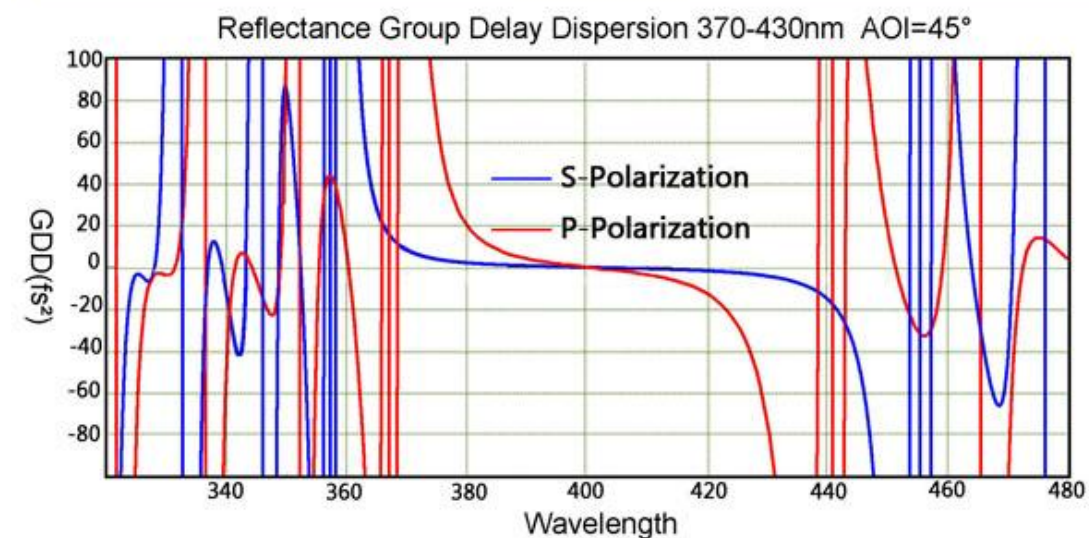
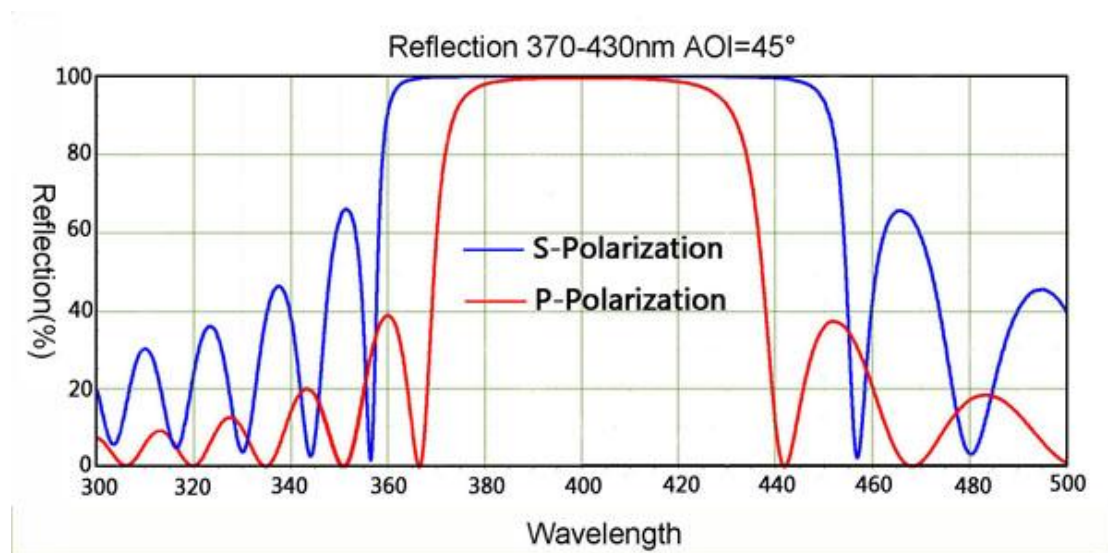
SPECIFICATIONS

Specifications	
Materials	UV grade fused silica or BK7 glass
Typical size (mm)	D12.7x3; D25.4x6; D38.1x8; D50.8x8
Diameter tolerance	+0.0/-0.2mm
Thickness tolerance	+/-0.2mm
S1 Flatness	Lambda/10 @633nm
S1 Surface quality	20/10 S/D
S2 surface	commercial polished
Chamfer	0.1~0.3mmx45 degree
Coating	Hard dielectric and High reflection
Incident Angle (AOI)	0 degree or 45 degree

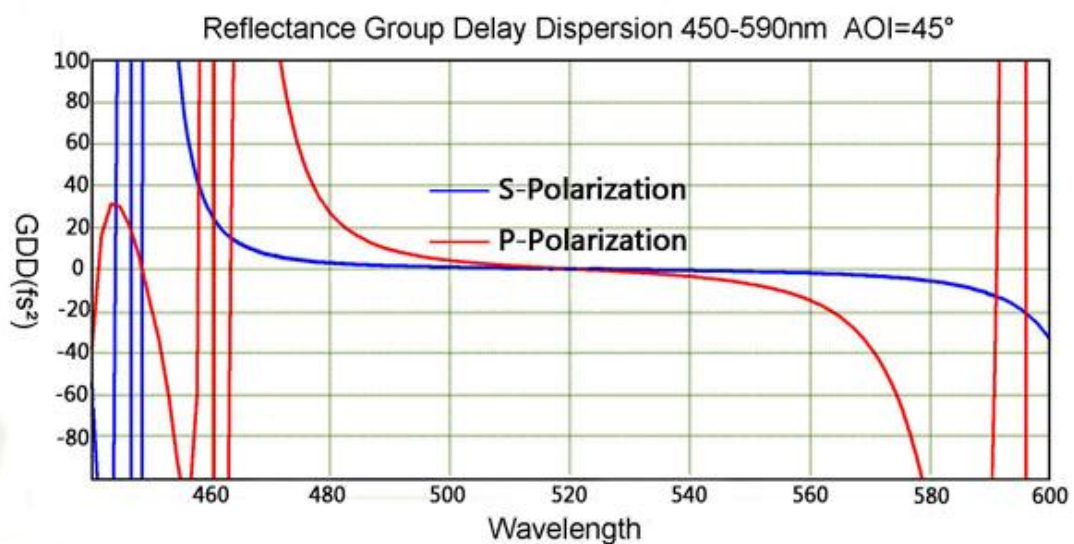
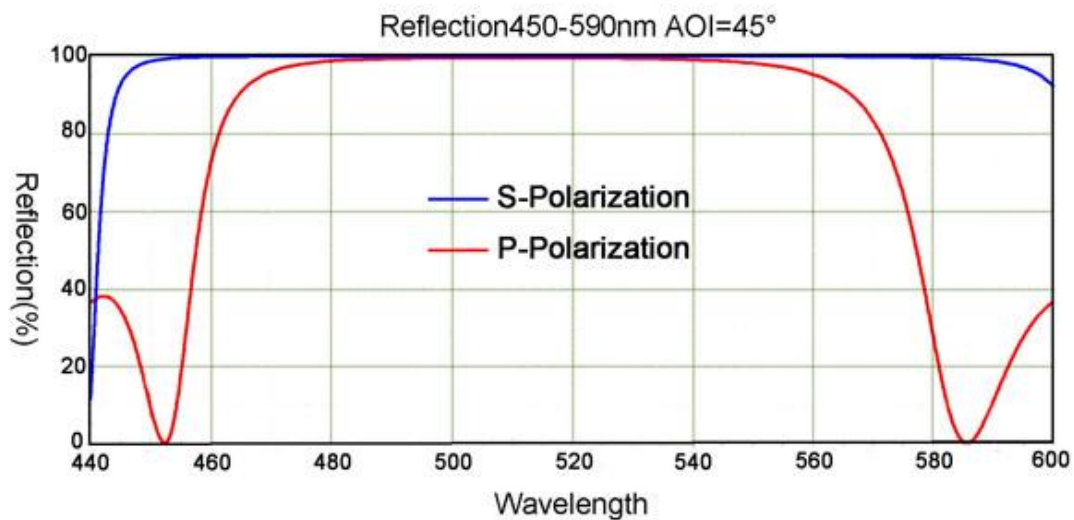
Modules or types

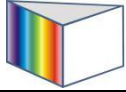
A series of low GDD mirrors are available: 370-430nm; 450-590nm; 800nm; 970-1150nm; 1400-1700nm; 1720-2250nm. See following calculated curves as reference.

1) 370-430nm

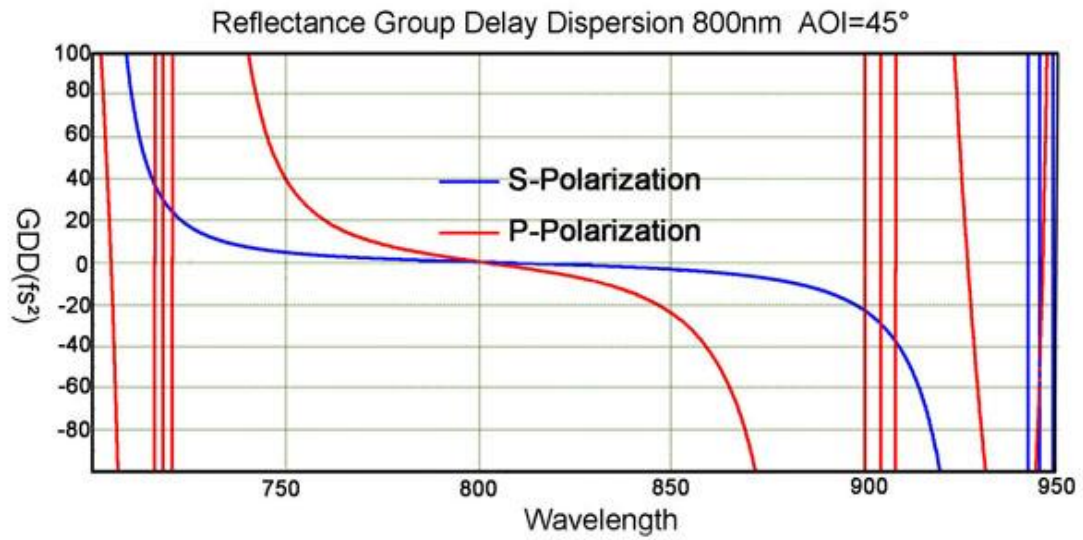
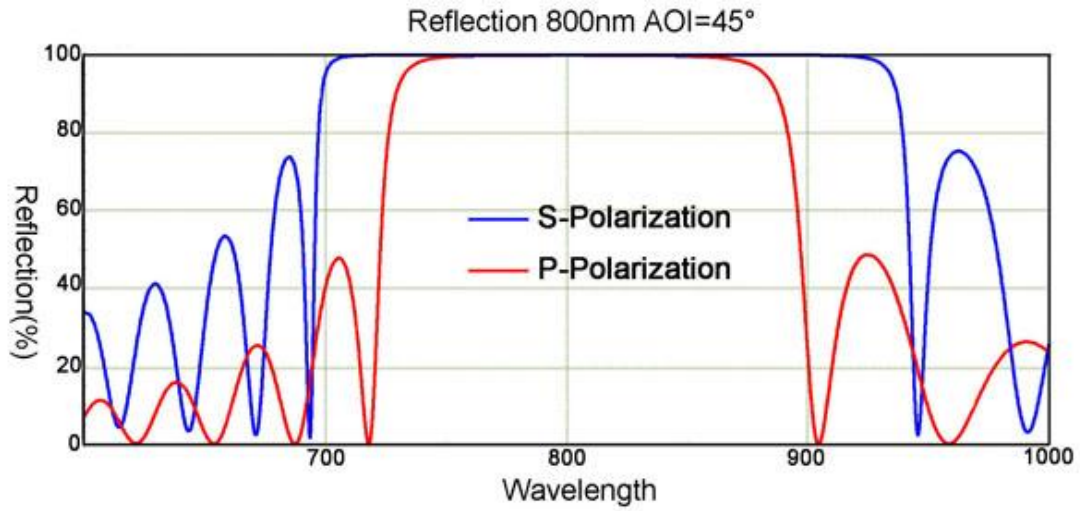


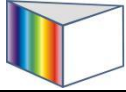
2) 450-590nm



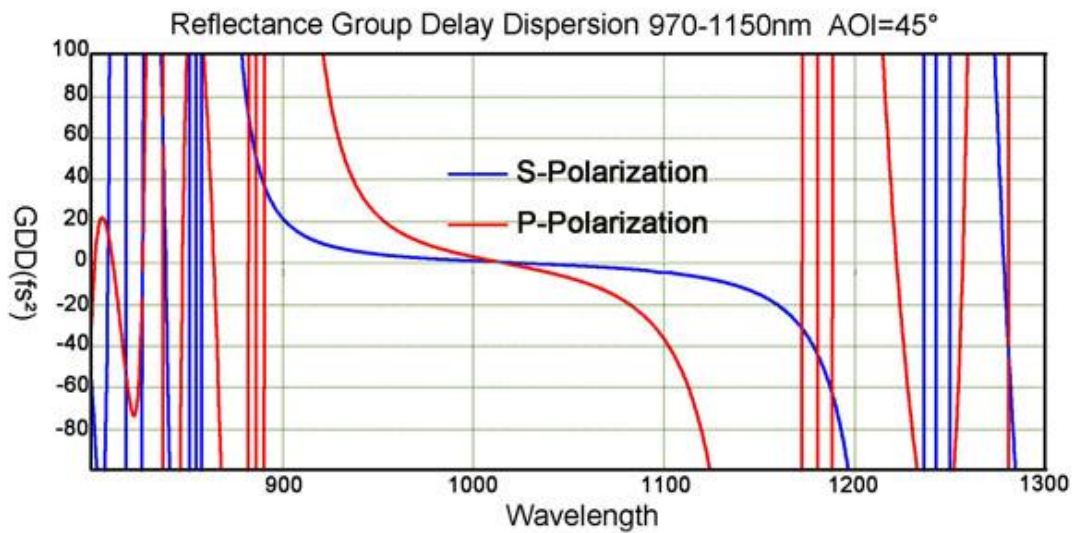
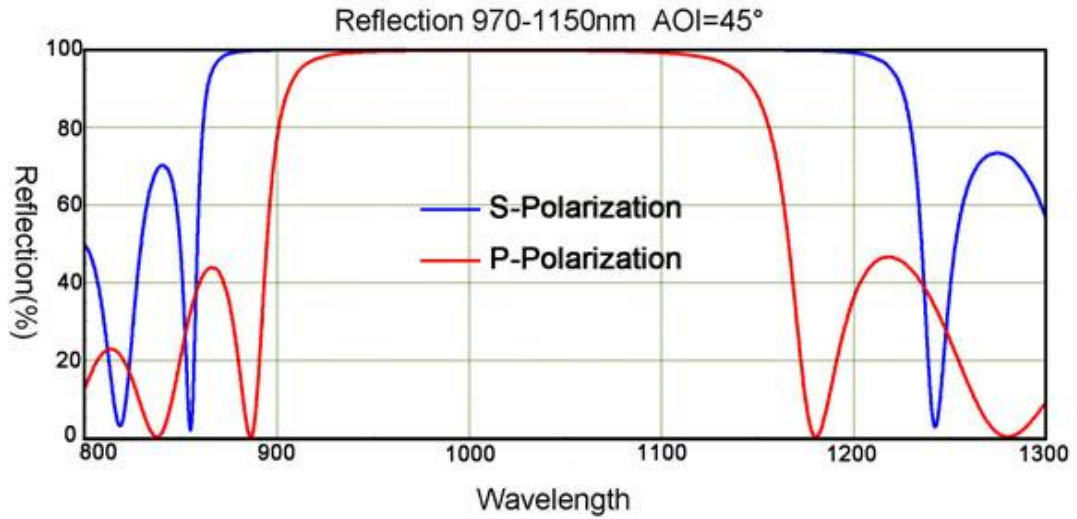


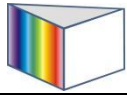
3) 800nm 45°



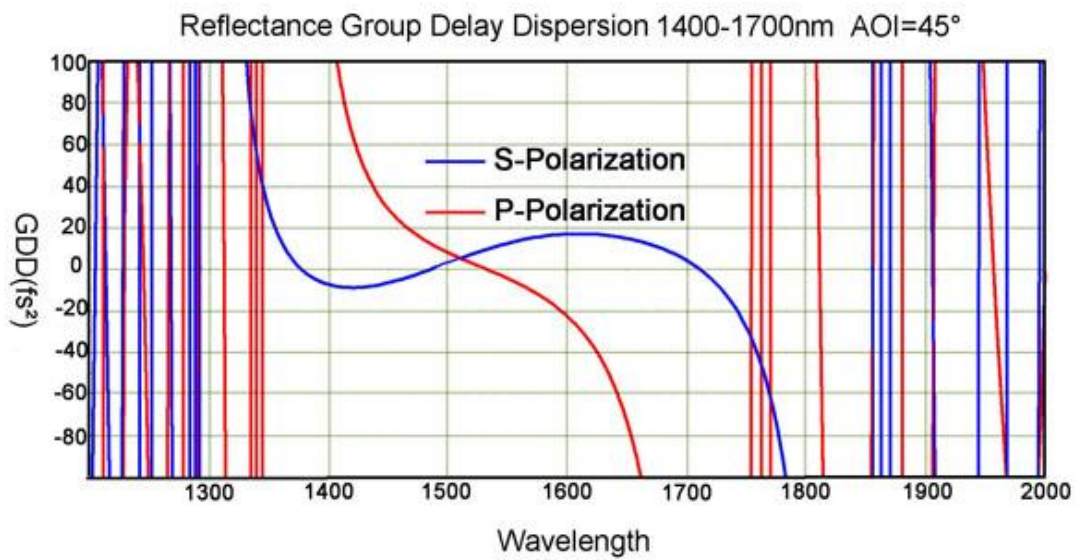
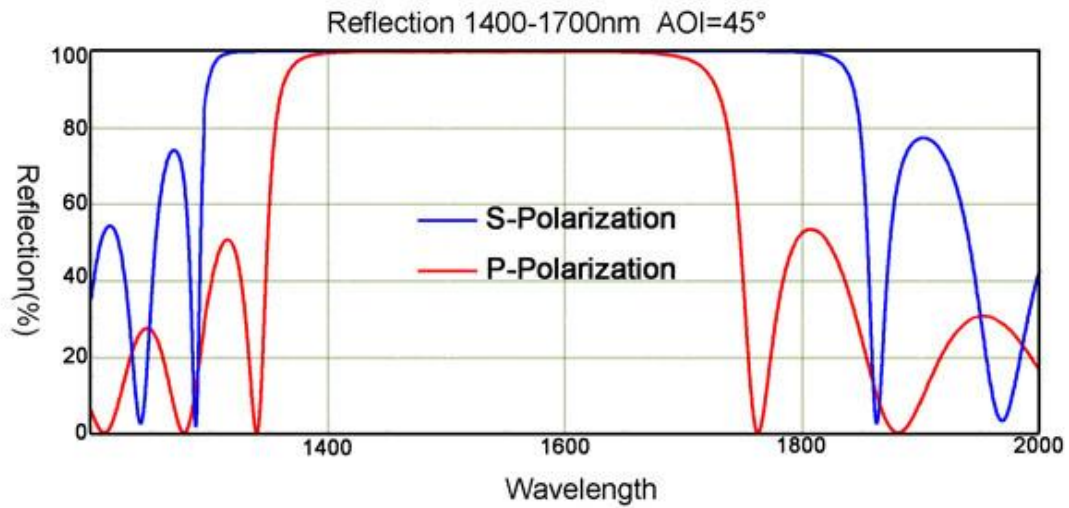


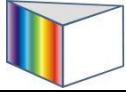
4) 970-1150nm





5) 1400-1700nm





6) 1720-2250nm

