

GVD-Output Coupling Mirror 650 – 950 nm, 3.5 %

Specifications @650-950 nm:

Reflectance:	$R=96.5 \pm 0.5 \%$
Group Delay on Reflection:	$RGD = \text{Compensating BaF}_2 \pm 3 \text{ fs}$
Group Delay on Transmission:	$TGD = 20 \pm 3 \text{ fs}$
Group Delay Dispersion on Reflection:	$RGDD = -22 \pm 25 \text{ fs}^2$
Group Delay Dispersion on Transmission:	$TGDD = 0 \pm 20 \text{ fs}^2$
AOI:	$0-7^\circ$

Available from stock:

Size: \varnothing 12.7 mm, t=1.0 mm, wedge 0.5°

Flatness each side: $\lambda/10$, surface quality: 10/5

Detailed Design Data:

Graph 1: Reflectance, total view

Graph 2: Reflectance. detailed view

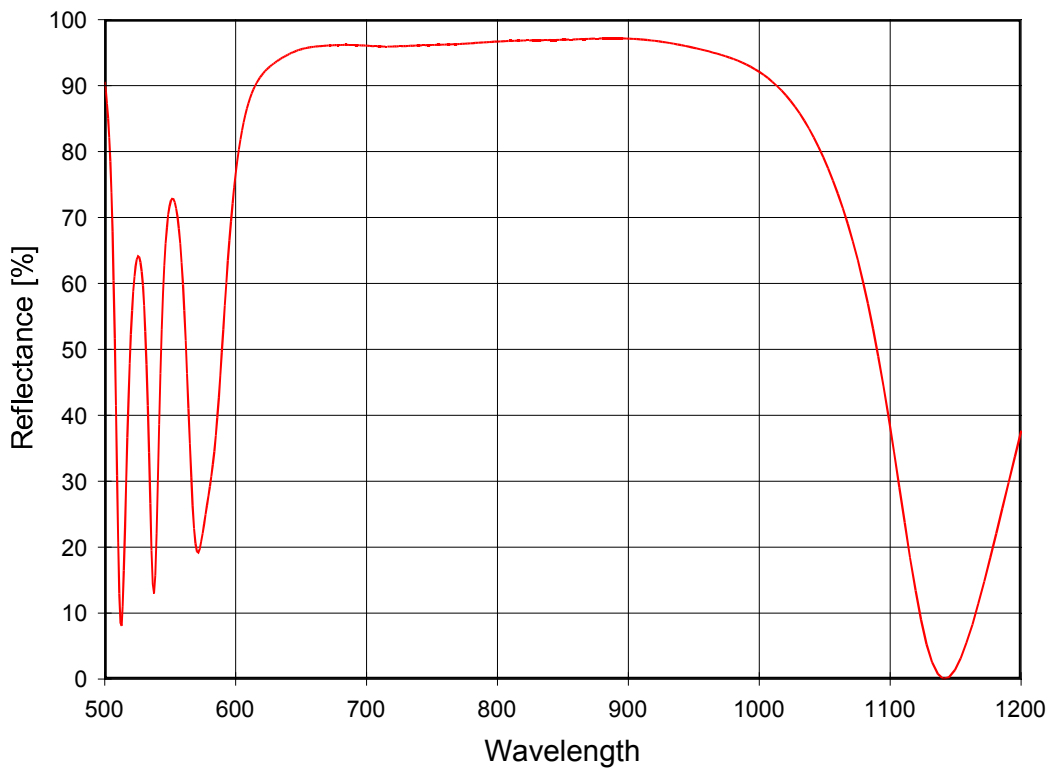
Graph 3: Group Delay on Reflection (RGD)

Graph 4: Group Delay on Transmission (TGD)

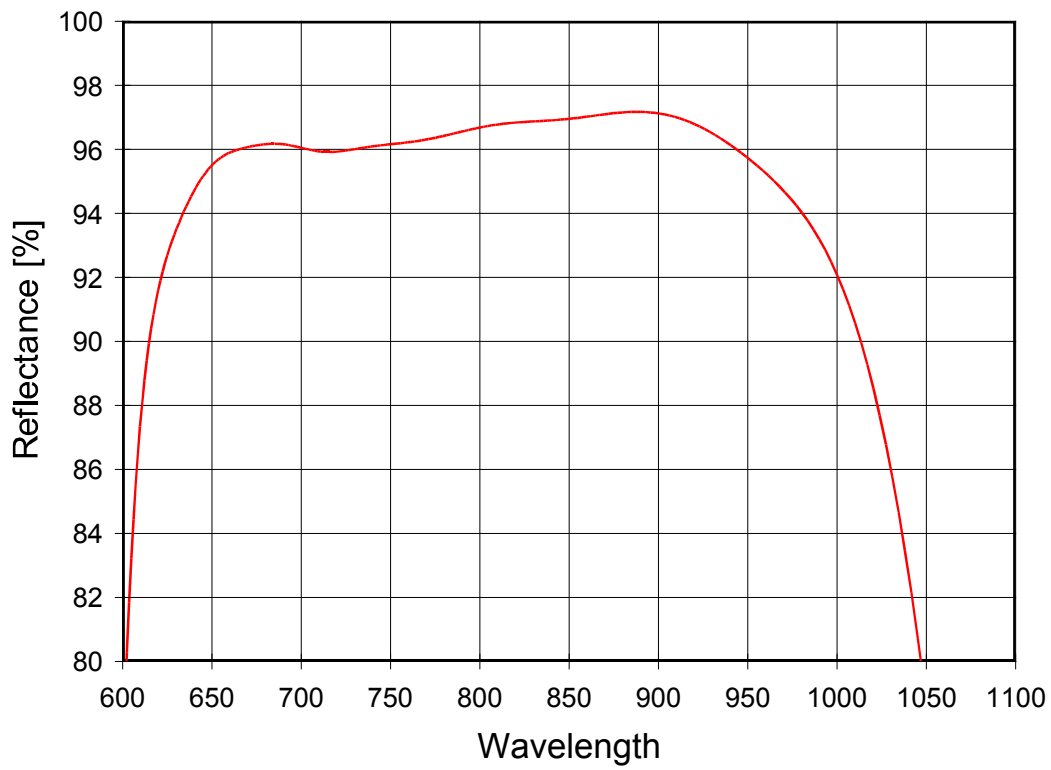
Graph 5: Group Delay Dispersion on Reflection (RGDD)

Graph 6: Group Delay Dispersion on Transmission (TGDD)

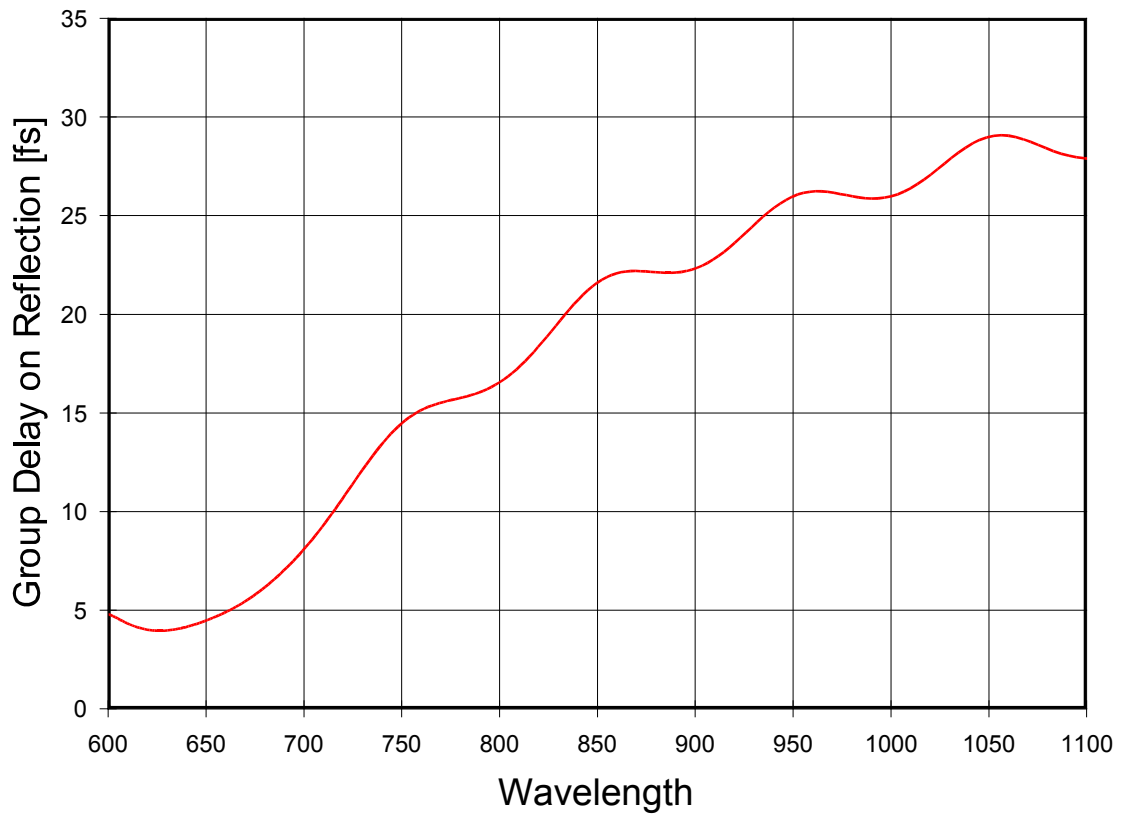
Graph 1: Reflectance, total view



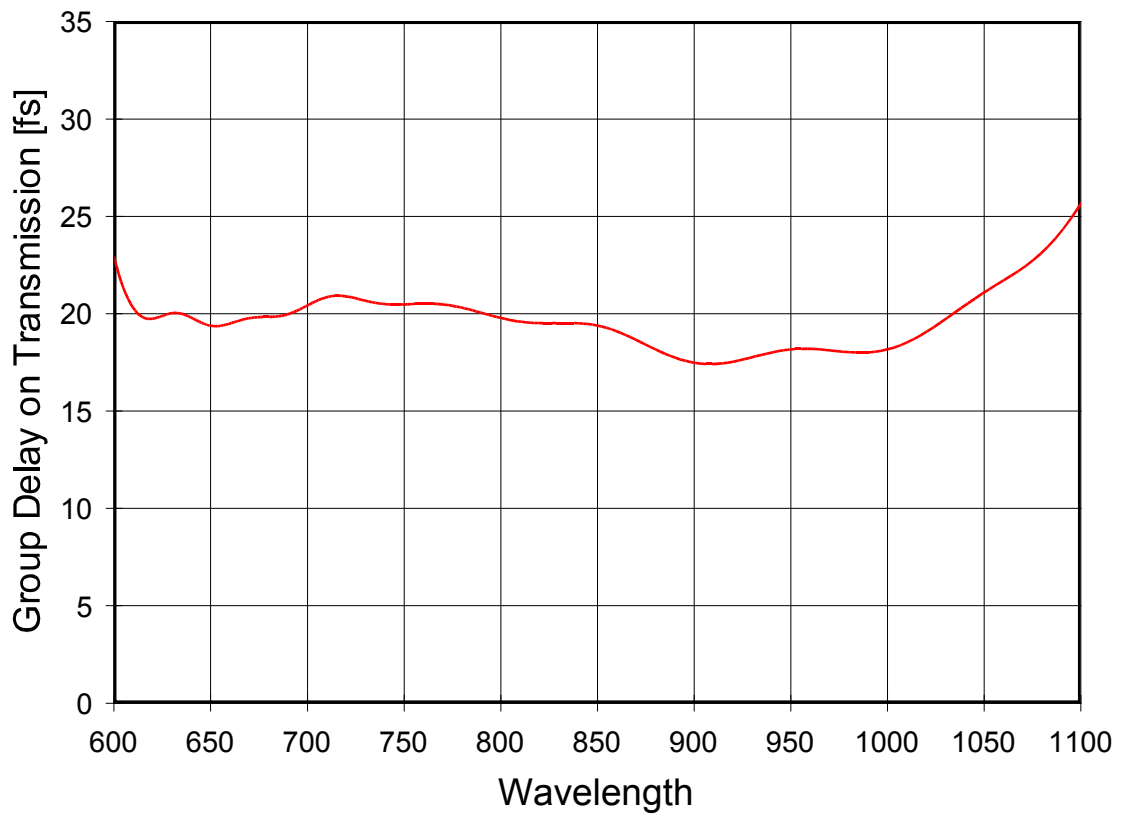
Graph 2: Reflectance, detailed view



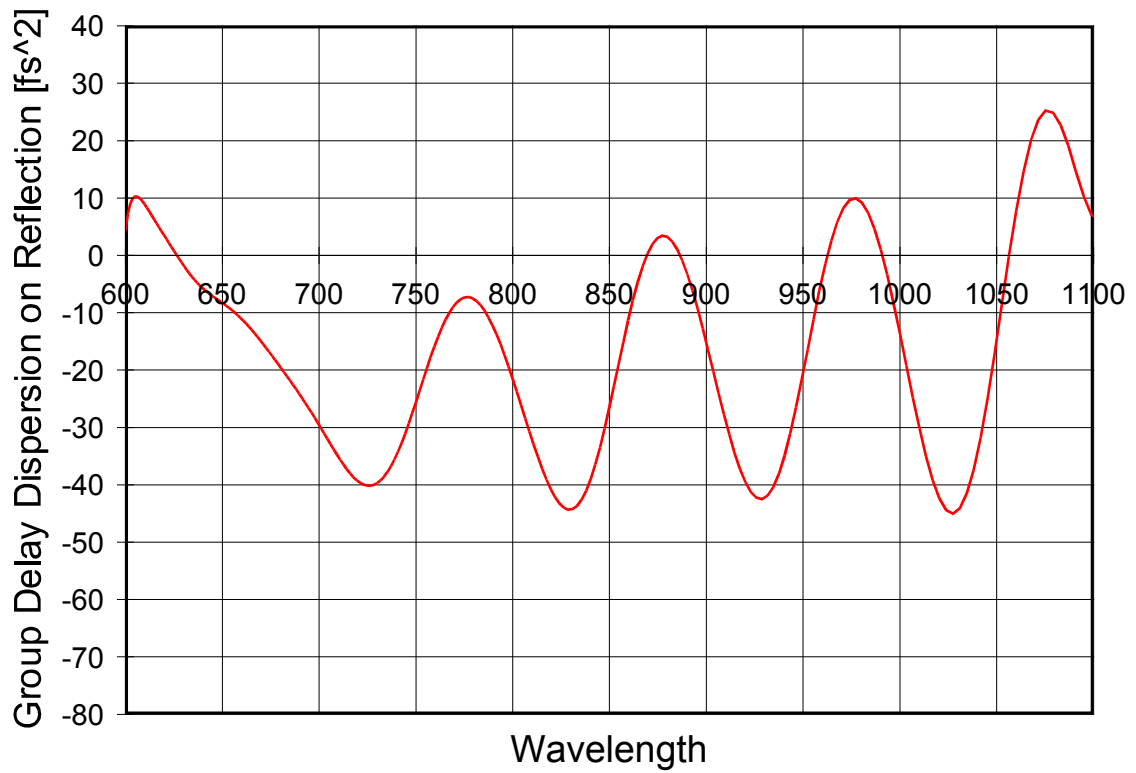
Graph 3: Group Delay on Reflection (RGD)



Graph 4: Group Delay on Transmission (TGD)



Graph 5: Group Delay Dispersion on Reflection (RGDD)



Graph 6: Group Delay Dispersion on Transmission (TGDD)

