

SAM™ Data Sheet SAM-1550-10-5ps-x, λ = 1550 nm

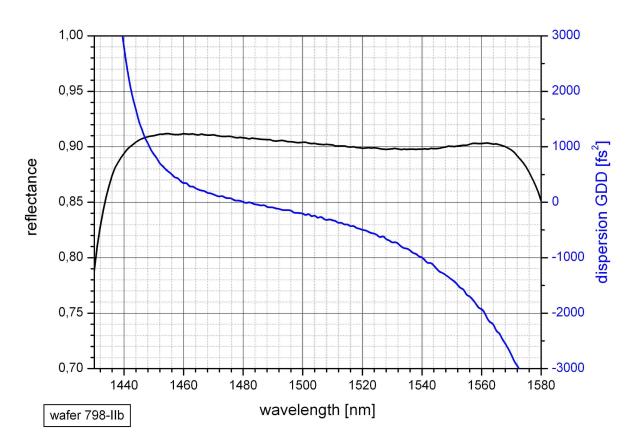
| Laser wavelength | | λ = 1550 nm | | |
|------------------------------|--|---|--|--|
| High reflection band | | λ = 1450 1570 nm | | |
| Absorbance | | A ₀ = 10 % | | |
| Modulation depth | | $\Delta R = 4 \%$ | | |
| Non-saturable loss | | A _{ns} = 6 % | | |
| Saturation fluence | | Φ_{sat} = 15 µJ/cm ² | | |
| Relaxation time constant | | τ = 5 ps | | |
| Damage threshold | | Φ = 1 mJ/cm ² | | |
| Chip area | | 4.0 mm x 4.0 mm; other dimensions on request | | |
| Chip thickness | | 450 μm | | |
| Protection | | the SAM is protected with a dielectric front layer | | |
| x = 0 x = 1 | | type of mounting as follows: unmounted glued on a gold plated Cu-cylinder with 12.7 mm \varnothing glued on a gold plated Cu-cylinder with 25.4 mm \varnothing | | |

| · J | 5 | 5 1 | - , | - | |
|-------------------|------------|-----------|----------------------|---------|---------|
| x = 12.7 s | soldered c | on a gold | plated Cu-cylinder v | with 12 | .7 mm Ø |

x = 25.4 s soldered on a gold plated Cu-cylinder with 25.4 mm \emptyset

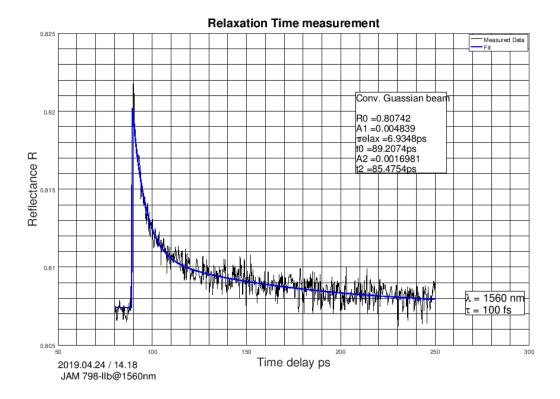
| x = FC | mounted on a 1 m | monomode | fiber cable with | FC connector |
|---------------|------------------|----------|------------------|--------------|

Low intensity spectral reflectance and dispersion



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Saturation Measurement

