1

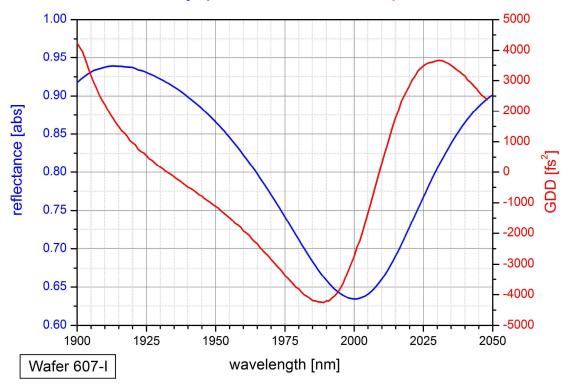


SAM™ Data Sheet SAM-1960-18-10ps-x, λ = 1960 nm

Laser wavelength	$\lambda = 1960 \text{ nm}$
High reflection band	λ = 1900 2060 nm
Absorbance	A ₀ = 18 %
Modulation depth	∆R = 10 %
Non-saturable loss	A _{ns} = 8 %
Saturation fluence	Φ_{sat} = 35 µJ/cm ²
Relaxation time constant	τ ~ 10 ps
Damage threshold	$\Phi = 1 \text{ mJ/cm}^2$
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
Mounting option x denotes the type of mounting as follows: $\mathbf{x} = 0$ unmounted	

x = 12.7 g	glued on a gold plated Cu-cylinder with 12.7 mm $arnothing$
x = 25.4 g	glued on a gold plated Cu-cylinder with 25.4 mm $arnothing$
x = 12.7 s	soldered on a gold plated Cu-cylinder with 12.7 mm $arnothing$
x = 25.4 s	soldered on a gold plated Cu-cylinder with 25.4 mm $arnothing$
x = FC	mounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance and dispersion



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