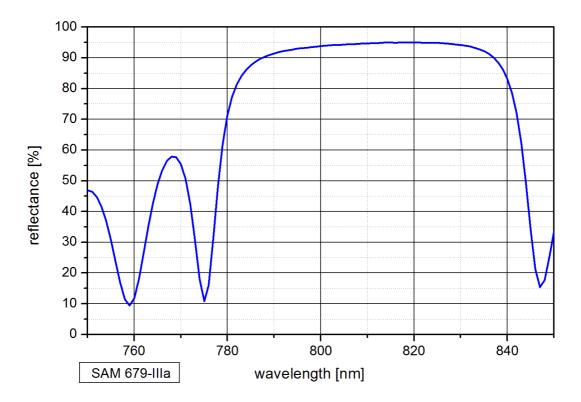


SAMTM data sheet SAM-810-6-1ps-x, λ = 810 nm

Laser wavelength	$\lambda = 800 \text{ nm}$
High reflection band	λ = 785 835 nm
Absorbance	$A_0 = 6 \%$
Modulation depth	∆R = 3,5 %
Non-saturable loss	A _{ns} = 2,5 %
Saturation fluence	Φ_{sat} = 70 µJ/cm ²
Relaxation time constant	τ ~ 1 ps
Damage threshold	Φ = 2 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 \mathbf{x} denotes the type of mounting as follows: $\mathbf{x} = 0$ unmounted	

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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 = 25.0 w	soldered on a water cooled Cu-cylinder with 25.0 mm $arnothing$
x = FC	mounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance



data sheet



