1



SAM™ Data Sheet SAM-1064-10-1ps-x, λ = 1064 nm

Laser wavelength		$\lambda = 1064 \text{ nm}$
High reflection band		λ = 1010 1100 nm
Absorbance		A ₀ = 10 %
Modulation depth		ΔR = 6 %
Non-saturable loss		$A_{ns} = 4 \%$
Saturation fluence		Φ_{sat} = 35 µJ/cm ²
Relaxation time constant		τ ~ 1 ps
Damage threshold		Φ = 2.5 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 optio	n x denotes the x = 0 x = 12.7 g x = 25.4 g	type of mounting as follows: unmounted glued on a copper heat sink with 12.7 mm \varnothing glued on a copper heat sink with 25.4 mm \varnothing
	v = 10.7 c	coldered on a conner heat sink with 12.7 mm α

x = 12.7 s	soldered on a copper heat sink with 12.7 mm $arnothing$
x = 25.4 s	soldered on a copper heat sink with 25.4 mm $arnothing$
x = 25.0 w	soldered on a water cooled copper heat sink with 25.0 mm \varnothing
x = FC	mounted on a 1 m single mode fiber with FC connector

Low intensity spectral reflectance

