1



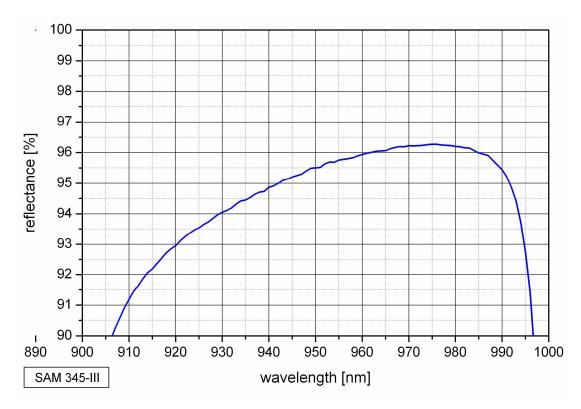
SAM[™] Data Sheet SAM-940-5-1ps-x, λ = 940 nm

Laser wavelength		$\lambda = 940 \text{ nm}$
High reflection band		λ = 920 990 nm
Absorbance		A ₀ =5 %
Modulation depth		ΔR = 3 %
Non-saturable loss		A _{ns} = 2 %
Saturation fluence		Φ_{sat} = 60 µJ/cm ²
Relaxation time constant		τ ~ 1 ps
Damage threshold		$\Phi = 2 \text{ mJ/cm}^2$
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 x = 0 x = 12.7 g x = 25.4 g x = 12.7 s	type of mounting as follows: unmounted glued on a copper heat sink with 12.7 mm \emptyset glued on a copper heat sink with 25.4 mm \emptyset soldered on a copper heat sink with 12.7 mm \emptyset

X = 12.7 s	soldered on a copper neat sink with 12.7 mm \oslash
x = 25.4 c	coldered on a conner best sink with $2E.4$ mm \propto

X – 25.4 S	soldered on a copper heat sink with 25.4 mm \oslash
x = 25.0 h	soldered on a water cooled copper heat sink with 25.0 mm \varnothing
x = FC	mounted on a 1 m singlemode fiber cable with FC connector

low intensity spectral reflectance



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