x = 25.4 w

x = FC

1



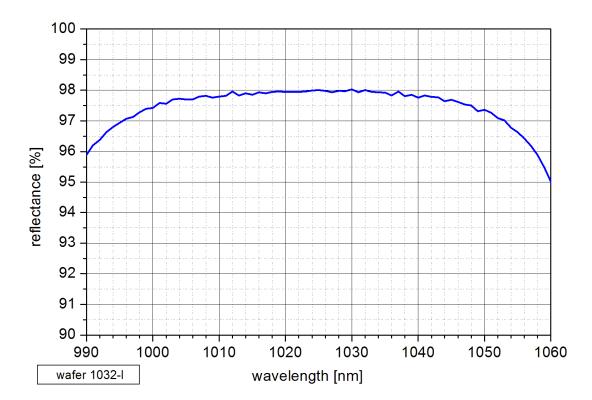
SAM™ Data Sheet SAM-1040-2-10ps-x, λ = 1040 nm

Laser wavelength		$\lambda = 1040 \text{ nm}$
High reflection band		λ = 1000 1050 nm
Absorbance		A ₀ = 2 %
Modulation depth		ΔR = 1.2 %
Non-saturable loss		A _{ns} = 0.8 %
Saturation fluence		Φ_{sat} = 40 µJ/cm ²
Relaxation time constant		τ = 10 ps
Damage threshold		Φ = 4 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 x = 25.4 g x = 12.7 s x = 25.4 s	glued on a gold plated Cu-cylinder with 12.7 mm \emptyset glued on a gold plated Cu-cylinder with 25.4 mm \emptyset soldered on a gold plated Cu-cylinder with 12.7 mm \emptyset soldered on a gold plated Cu-cylinder with 25.4 mm \emptyset

Low intensity spectral reflectance

soldered on a water cooled Cu-cylinder with 25.4 mm \oslash

mounted on a 1 m monomode fiber cable with FC connector



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