1

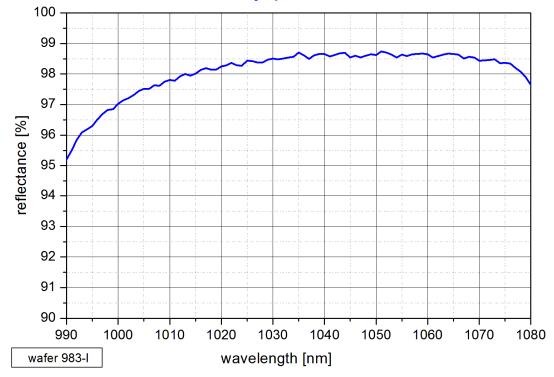


## SAM™ Data Sheet SAM-1064-1-5ps-x, λ = 1064 nm

Laser wavelength	$\lambda = 1064 \text{ nm}$
High reflection band	λ = 1000 1070 nm
Absorbance	$A_0 = 1 \%$
Modulation depth	∆R = 0.7 %
Non-saturable loss	A <sub>ns</sub> = 0.3 %
Saturation fluence	$\Phi_{sat}$ = 100 µJ/cm <sup>2</sup>
Relaxation time constant	τ ~ 5 ps
Damage threshold	$\Phi_{d} = 4 \text{ mJ/cm}^{2}$
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 <b>x</b> denotes the $\mathbf{x} = 0$	type of mounting as follows: unmounted

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<b>x</b> = 12.7 g	glued on a gold plated Cu-cylinder with 12.7 mm $arnothing$
<b>x</b> = 25.4 g	glued on a gold plated Cu-cylinder with 25.4 mm $arnothing$
<b>x</b> = 12.7 s	soldered on a gold plated Cu-cylinder with 12.7 mm $arnothing$
<b>x</b> = 25.4 s	soldered on a gold plated Cu-cylinder with 25.4 mm $arnothing$
<b>x</b> = 25.4 w	soldered on a water cooled Cu-cylinder with 25.4 mm $arnothing$
<b>x</b> = FC	mounted on a 1 m monomode fiber cable with FC connector

## Low intensity spectral reflectance



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