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## SAM™ Data Sheet SAM-1064-18-5ps-x, λ = 1064 nm

Laser wavelength	λ = 1064 nm
High reflection band	λ = 1020 1100 nm
Absorbance	A <sub>0</sub> = 18 %
Modulation depth	∆R = 10 %
Non-saturable loss	A <sub>ns</sub> = 8 %
Saturation fluence	$\Phi_{sat}$ = 70 µJ/cm <sup>2</sup>
Relaxation time constant	τ = 5 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 type of mounting as follows: x = 0 unmounted $x = 12.7 \text{ g}$ glued on a gold plated Cu cylinder with 12.7 mm $\emptyset$	
<b>x</b> = 12.7 g	glued on a gold plated Cu-cylinder with 12.7 mm $arnothing$

x = 12.7 gglued on a gold plated Cu-cylinder with 12.7 mm  $\varnothing$ x = 25.4 gglued on a gold plated Cu-cylinder with 25.4 mm  $\varnothing$ x = 12.7 ssoldered on a gold plated Cu-cylinder with 12.7 mm  $\varnothing$ x = 25.4 ssoldered on a gold plated Cu-cylinder with 25.4 mm  $\varnothing$ x = FCmounted on a 1 m monomode fiber cable with FC connector

## Low intensity spectral reflectance

