

## SAM<sup>TM</sup> Data Sheet SAM-1064-0.7-1ps-x, $\lambda$ = 1064 nm

Laser wavelength  $\lambda = 1064 \text{ nm}$ 

High reflection band (R > 99%)  $\lambda$  = 1030 .. 1100 nm

 $\begin{tabular}{lll} Absorptance & $A_0=0.7~\%$ \\ Modulation depth & $\Delta R=0.4~\%$ \\ Non-saturable loss & $A_{ns}=0.3~\%$ \\ \end{tabular}$ 

Saturation fluence  $\Phi_{\text{sat}} = 130 \, \mu \text{J/cm}^2$ 

Relaxation time constant  $\tau \sim 1 \text{ ps}$ 

Damage threshold  $\Phi = 3 \text{ mJ/cm}^2$ 

Chip area 4mm x 4mm; other dimensions on request

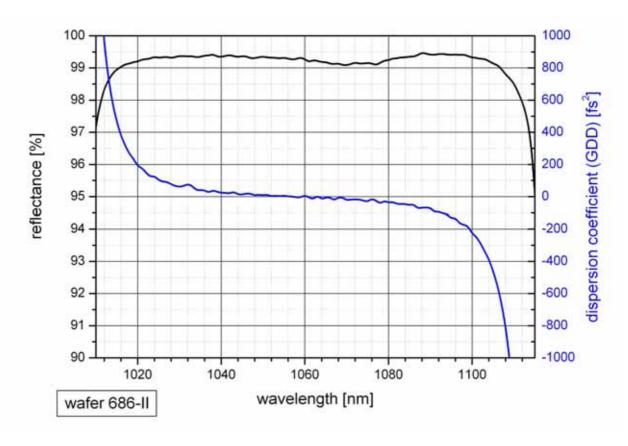
Chip thickness 450 µm

Protection the SAM is protected with a dielectric front layer

Mounting option **x** denotes the type of mounting as follows:

x = 0unmountedx = 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 and dispersion



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