

SAMTM Data Sheet SAM-1064-8-25ps-x, λ = 1064 nm

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

High reflection band $\lambda = 1020 ... 1110 \text{ nm}$

Absorbance $A_0 = 8 \%$ Modulation depth $\Delta R = 6 \%$ Non-saturable loss $A_{ns} = 2 \%$

Saturation fluence $\Phi_{sat} = 98 \,\mu\text{J/cm}^2$

Relaxation time constant $\tau \sim 27 \text{ ps}$

Damage threshold $\Phi = 2.5 \text{ mJ/cm}^2$

Chip area 4.0 mm x 4.0 mm; other dimensions on request

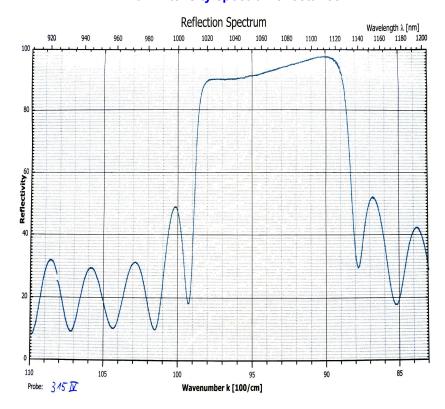
Chip thickness 450 µm

Protection the SAM is protected with a dielectric front layer

Mounting option \mathbf{x} denotes the type of mounting as follows:

 $\mathbf{x} = 0$ unmounted x = 12.7 gglued on a gold plated Cu-cylinder with 12.7 mm Ø glued on a gold plated Cu-cylinder with 25.4 mm \varnothing x = 25.4 gx = 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 Ø x = 25.4 ssoldered on a gold plated Cu-cylinder with 25.4 mm \varnothing soldered on a water cooled Cu-cylinder with 25.0 mm \varnothing x = 25.0 wmounted on a 1 m monomode fiber cable with FC connector x = FC

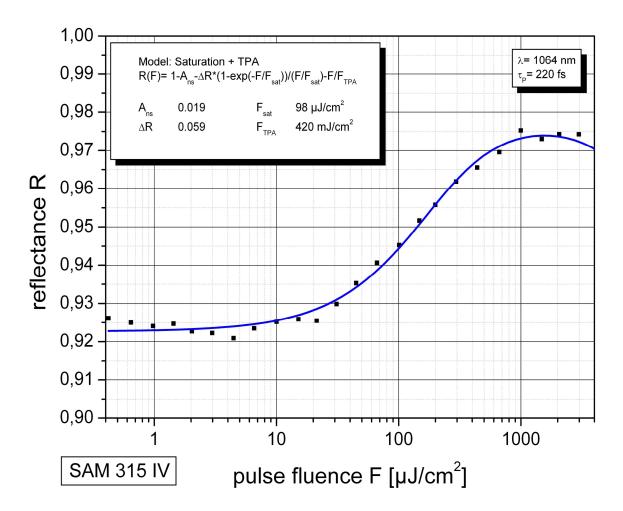
Low intensity spectral reflectance



Data Sheet



Saturation measurement





Pump-probe measurement

