

SAMTM Data Sheet SAM-1030-32-1ps-x, λ = 1030 nm

Laser wavelength $\lambda = 1030 \text{ nm}$

High reflection band (R > 50%) λ = 960 .. 1060 nm

Absorbance $A_0 = 32 \%$ Modulation depth $\Delta R = 20 \%$ Non-saturable loss $A_{ns} = 12 \%$

Saturation fluence $\Phi_{sat} = 60 \,\mu\text{J/cm}^2$

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

Damage threshold $\Phi = 800 \,\mu\text{J/cm}^2$

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

Chip thickness 450 μ m;

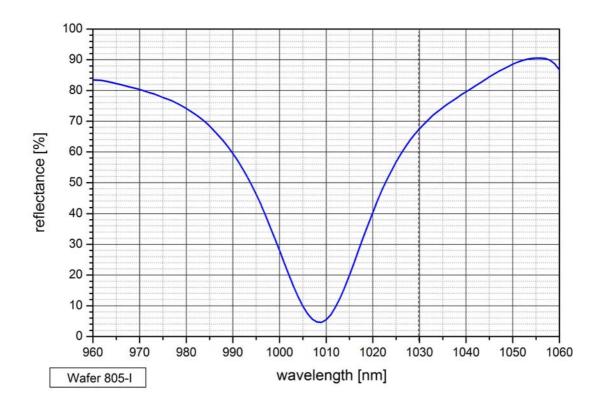
Protection the SAM is protected with a dielectric front layer

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

 $\mathbf{x} = 0$ unmounted $\mathbf{x} = 12.7 \, \mathrm{g}$ glued on a gold plated Cu-cylinder with 12.7 mm \varnothing $\mathbf{x} = 25.4 \, \mathrm{g}$ glued on a gold plated Cu-cylinder with 25.4 mm \varnothing $\mathbf{x} = 12.7 \, \mathrm{s}$ soldered on a gold plated Cu-cylinder with 12.7 mm \varnothing $\mathbf{x} = 25.4 \, \mathrm{s}$ soldered on a gold plated Cu-cylinder with 25.4 mm \varnothing

x = FC mounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance



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