





SAMTM Data Sheet SAM-1040-35-3ps-x, λ = 1040 nm

Laser wavelength $\lambda = 1040 \text{ nm}$

High reflection band $\lambda = 990 ... 1090 \text{ nm}$

Absorbance $A_0 = 35 \%$ Modulation depth $\Delta R = 26 \%$ Non-saturable loss $A_{ns} = 9 \%$

Saturation fluence $\Phi_{sat} = 50 \,\mu\text{J/cm}^2$

Relaxation time constant $\tau \sim 3 \text{ ps}$

Damage threshold $\Phi = 1.5 \text{ mJ/cm}^2$

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:

x = 0 unmounted

x = 12.7 g glued on a gold plated Cu-cylinder with 12.7 mm Ø
x = 25.4 g glued on a gold plated Cu-cylinder with 25.4 mm Ø
x = 12.7 s soldered on a gold plated Cu-cylinder with 12.7 mm Ø
x = 25.4 s soldered on a gold plated Cu-cylinder with 25.4 mm Ø
x = FC mounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance

