

SAMTM Data Sheet SAM-1064-18-500fs-x, λ = 1064 nm

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

High reflection band $\lambda = 990 ... 1100 \text{ nm}$

Absorbance $A_0 = 18 \%$ Modulation depth $\Delta R = 10 \%$ Non-saturable loss $A_{ns} = 8 \%$

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

Relaxation time constant $\tau \sim 500 \text{ fs}$ 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 ${\bf x}$ 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















