

SAM[™] data sheet SAM-1550-17-4ps-x, λ = 1550 nm

Laser wavelength $\lambda = 1550 \text{ nm}$

High reflection band $\lambda = 1440 ... 1580 \text{ nm}$

Absorbance $A_0 = 17 \%$ Modulation depth $\Delta R = 10 \%$ Non-saturable loss $A_{ns} = 7 \%$

Saturation fluence $\Phi_{\text{sat}} = 70 \; \mu \text{J/cm}^2$ Damage threshold $\Phi_{\text{dam}} = 1.5 \; \text{mJ/cm}^2$

Relaxation time constant $\tau = 4 \text{ ps}$

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

x = 0 unmounted

 $x = 12.7 \, \mathrm{g}$ glued on a gilded Cu-cylinder with 12.7 mm \varnothing and 4 mm \varnothing center hole $x = 25.0 \, \mathrm{g}$ glued on a gilded Cu-cylinder with 25. mm \varnothing and 4 mm \varnothing center hole $x = 25.4 \, \mathrm{g}$ glued on a gilded Cu-cylinder with 25.4 mm \varnothing and 4 mm \varnothing center hole

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

Low intensity spectral reflectance

