

SAMTM Data Sheet SAM-1645-32-2ps-x, λ = 1645 nm

Laser wavelength $\lambda = 1645 \text{ nm}$

High reflection band $\lambda = 1560 \dots 1660 \text{ nm}$

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

Saturation fluence $\Phi_{sat} = 80 \,\mu\text{J/cm}^2$

Relaxation time constant $\tau \sim 2 \text{ ps}$

Damage threshold $\Phi = 900 \,\mu\text{J/cm}^2$

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

x = 0unmounted $x = 12.7 \, g$ glued on a gold plated Cu-cylinder with 12.7 mm \emptyset $x = 25.4 \, g$ glued on a gold plated Cu-cylinder with 25.4 mm \emptyset $x = 12.7 \, s$ soldered on a gold plated Cu-cylinder with 12.7 mm \emptyset $x = 25.4 \, s$ soldered on a gold plated Cu-cylinder with 25.4 mm \emptyset $x = 25.0 \, w$ soldered on a water cooled Cu-cylinder with 25.0 mm \emptyset x = FCmounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance

