

SAMTM Data Sheet SAM-1064-48-4ps-x, λ = 1064 nm

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

High reflection band $\lambda = 1000 ... 1110 \text{ nm}$

Absorptance $A_0 = 48 \%$ Modulation depth $\Delta R = 28 \%$ Non-saturable loss $A_{ns} = 20 \%$

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

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

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

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

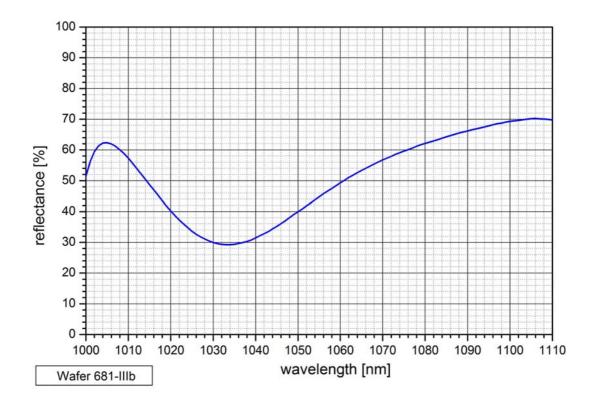
Chip thickness 450 µm

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

Low intensity spectral reflectance



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