

SAMTM Data Sheet SAM-2000-43-10ps-x, λ = 2000 nm

Laser wavelength $\lambda = 2000 \text{ nm}$

High reflection band (R > 45%) λ = 1900 .. 2050 nm

Absorbance $A_0 = 43 \ \%$ Modulation depth $\Delta R = 25 \ \%$ Non-saturable loss $A_{ns} = 18 \ \%$

Saturation fluence $\Phi_{\text{sat}} = 35 \,\mu\text{J/cm}^2$

Relaxation time constant $\tau \sim 10 \text{ ps}$

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

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

Chip thickness 450 µm

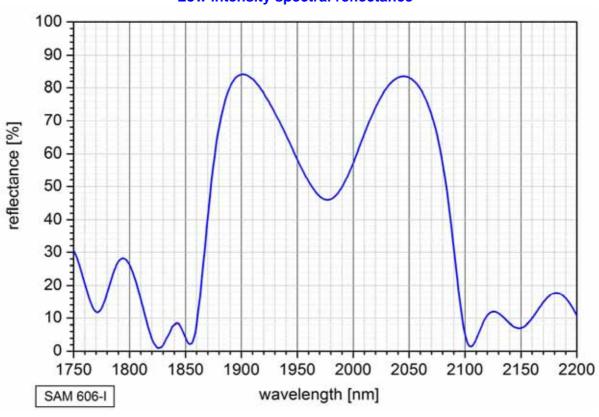
Protection the SAM is protected with a dielectric front layer

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

x = 0 unmounted
x = 12.7 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



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