

SAMTM Data Sheet SAM-2000-30-10ps-x, λ = 2000 nm

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

High reflection band (R > 65%) λ = 1910 .. 2080 nm

Absorbance $A_0 = 30 \%$ Modulation depth $\Delta R = 18 \%$ Non-saturable loss $A_{ns} = 12 \%$

Saturation fluence $\Phi_{\text{sat}} = 70 \,\mu\text{J/cm}^2$

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

Damage threshold $\Phi = 1 \text{ mJ/cm}^2$

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

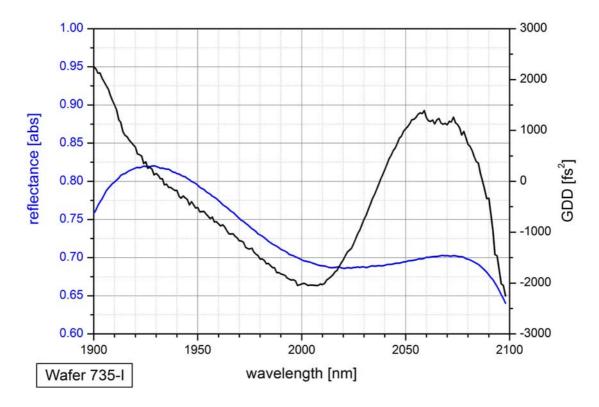
Chip thickness 450 µm

Protection the SAM is protected with a dielectric front layer

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

x = 0unmountedx = 12.7 gglued on a gold plated Cu-cylinder with 12.7 mm \varnothing x = 25.4 gglued on a gold plated Cu-cylinder with 25.4 mm \varnothing x = 12.7 ssoldered on a gold plated Cu-cylinder with 12.7 mm \varnothing x = 25.4 ssoldered on a gold plated Cu-cylinder with 25.4 mm \varnothing x = FCmounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance and dispersion



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