

SAMTM data sheet SAM-980-4-x-500fs, λ = 980 nm

Laser wavelength $\lambda = 980 \text{ nm}$

High reflection band (R > 99%) λ = 920 .. 1000 nm

Saturable absorptance $A_0 = 4 \%$

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

 $\begin{array}{ll} \mbox{Relaxation time constant} & \tau \sim 500 \mbox{ fs} \\ \mbox{Non-saturable loss} & \mbox{A}_{ns} < 0.6 \mbox{ \%} \\ \end{array}$

Chip area 4mm x 4mm; other dimensions on request
Chip thickness 400 µm; optional: 100 µm on request

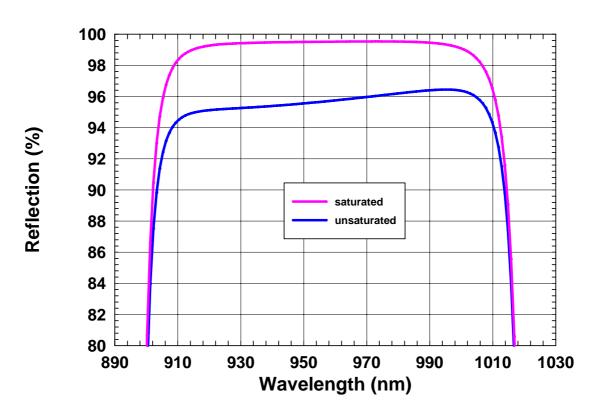
Protection the SAM is protected with a dielectric front layer

Mounting of SAM-980-4-x denotes the type of mounting as follows:

 $\mathbf{x} = 0$ unmounted

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

Spectral reflectance



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