

## SAM<sup>TM</sup> Data Sheet SAM-1550-10-5ps-x, $\lambda$ = 1550 nm

Laser wavelength  $\lambda = 1550 \text{ nm}$ 

High reflection band  $\lambda = 1440 ... 1570 \text{ nm}$ 

Absorbance  $A_0 = 10 \%$  Modulation depth  $\Delta R = 6 \%$  Non-saturable loss  $A_{ns} = 4 \%$ 

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

Relaxation time constant  $\tau = 5 \text{ ps}$ 

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

Chip area 4.0 mm x 4.0 mm; other dimensions on request

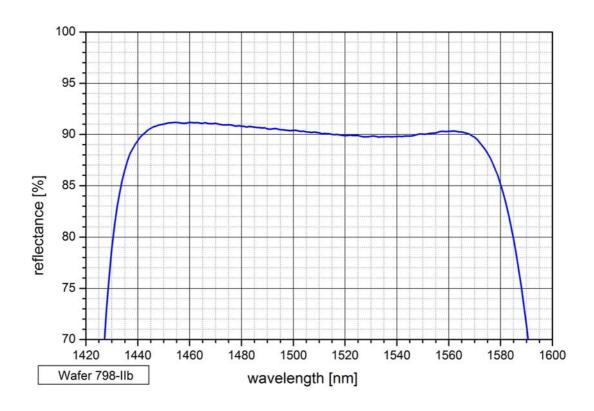
Chip thickness 450 µm

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  $\varnothing$  $x = 25.4 \, g$ 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 25.0 mm  $\varnothing$ x = FCmounted on a 1 m single mode fiber cable with FC connector

## Low intensity spectral reflectance



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