

## SAM<sup>TM</sup> Data Sheet SAM-1960-54-10ps-x, $\lambda$ = 1960 nm

Laser wavelength  $\lambda = 1960 \text{ nm}$ 

High reflection band (R > 45%)  $\lambda$  = 1900 .. 2050 nm

Absorbance  $A_0 = 54 \ \%$  Modulation depth  $\Delta R = 30 \ \%$  Non-saturable loss  $A_{ns} = 24 \ \%$  Saturation fluence  $\Phi_{sat} = 35 \ \mu \text{J/cm}^2$ 

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

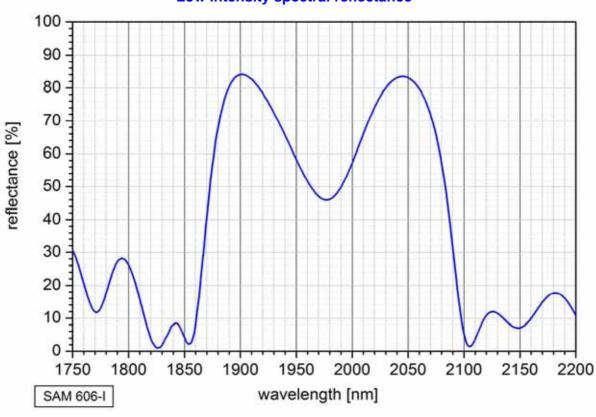
Chip thickness 450 µm

Protection the SAM is protected with a dielectric front layer

Mounting option  $\mathbf{x}$  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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