SAM™ data sheet SAM-1550-20-4ps-x, λ = 1550 nm

Laser wavelength	λ = 1550 nm
High reflection band	λ = 1450 .. 1580 nm
Absorbance	A_0 = 20 %
Modulation depth	ΔR = 12 %
Non-saturable loss	A_{ns} = 8 %
Saturation fluence	Φ_{sat} = 60 µJ/cm^2
Damage threshold	Φ_{dam} = 1 mJ/cm^2
Relaxation time constant	τ = 4 ps
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 = 0	unmounted
x = 12.7 g	glued on a gilded Cu-cylinder with 12.7 mm ∅ and 4 mm ∅ center hole
x = 25.0 g	glued on a gilded Cu-cylinder with 25. mm ∅ and 4 mm ∅ center hole
x = 25.4 g	glued on a gilded Cu-cylinder with 25.4 mm ∅ and 4 mm ∅ center hole
x = FC	mounted on a 1 m single mode fiber cable with FC connector

Low intensity spectral reflectance