

SAM™ data sheet SAM-1510-23-2ps-x, $\lambda = 1510$ nm

Laser wavelength	$\lambda = 1510$ nm
High reflection band (R > 82%)	$\lambda = 1480 \dots 1580$ nm
Absorbance	$A_0 = 23$ %
Modulation depth	$\Delta R = 14$ %
Non-saturable loss	$A_{ns} = 9$ %
Saturation fluence	$\Phi_{sat} = 50 \mu\text{J}/\text{cm}^2$
Damage threshold	$\Phi_{dam} = 1.5 \text{ mJ}/\text{cm}^2$
Relaxation time constant	$\tau = 2$ 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 \varnothing and 4 mm \varnothing center hole
x = 25.0 g	glued on a gilded Cu-cylinder with 25. mm \varnothing and 4 mm \varnothing center hole
x = 25.4 g	glued on a gilded Cu-cylinder with 25.4 mm \varnothing and 4 mm \varnothing center hole
x = FC	mounted on a 1 m single mode fiber cable with FC connector

Low intensity spectral reflectance

