

SAM™ Data Sheet SAM-1150-3-500fs-x, $\lambda = 1150 \text{ nm}$

Laser wavelength	$\lambda = 1150 \text{ nm}$
High reflection band	$\lambda = 1110 \text{ .. } 1190 \text{ nm}$
Absorptance	$A_0 = 3 \%$
Saturation fluence	$\Phi_{\text{sat}} = 110 \mu\text{J}/\text{cm}^2$
Relaxation time constant	$\tau \sim 500 \text{ fs}$
Modulation depth	$\Delta R = 1.9 \%$
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 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

Low intensity spectral reflectance



