

SAM™ data sheet SAM-940-6-x, $\lambda = 940$ nm

Laser wavelength	$\lambda = 940$ nm
High reflection band (R > 99%)	$\lambda = 930 \dots 990$ nm
Saturable absorptance	$A_0 = 6$ %
Saturation fluence	$\Phi_{\text{sat}} = 70$ $\mu\text{J}/\text{cm}^2$
Relaxation time constant	~ 1 ps
Non-saturable loss	$A_{\text{ns}} 3$ %
Chip area	4mm x 4mm; other dimensions on request
Chip thickness	350 μm
Protection	the SAM is protected with a dielectric front layer
Mounting of SAM-940-6-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
$x = \text{FC}$	mounted on a 2 m monomode fiber cable with FC connector

Low intensity spectral reflectance



