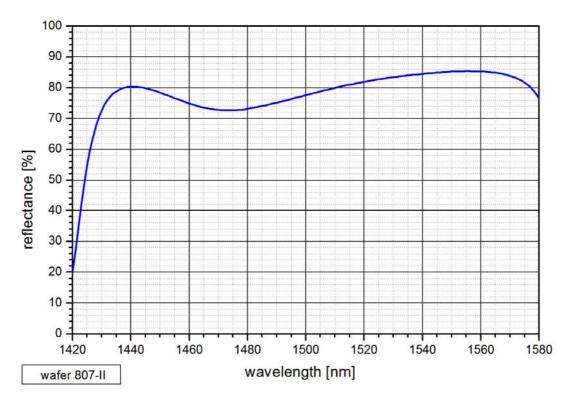


## SAM™ Data Sheet SAM-1550-15-12ps-x, λ = 1550 nm

Laser wavelength	$\lambda = 1550 \text{ nm}$
High reflection band	λ = 1450 1570 nm
Absorbance	A <sub>0</sub> = 15 %
Modulation depth	$\Delta R = 8 \%$
Non-saturable loss	A <sub>ns</sub> = 7 %
Saturation fluence	$\Phi_{sat} = 70 \ \mu J/cm^2$
Relaxation time constant	τ = 12 ps
Damage threshold	$\Phi$ = 800 µJ/cm <sup>2</sup>
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 <b>x</b> denotes the $\mathbf{x} = 0$	unmounted
<b>x</b> = 12 7 a	alued on a gold plated Cu-cylinder with 12.7 mm $\oslash$

nder with 12.7 mm $\varnothing$
nder with 25.4 mm $\varnothing$
sylinder with 12.7 mm $arnothing$
sylinder with 25.4 mm $arnothing$
-cylinder with 25.0 mm $arnothing$
e fiber cable with FC connector

## Low intensity spectral reflectance



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