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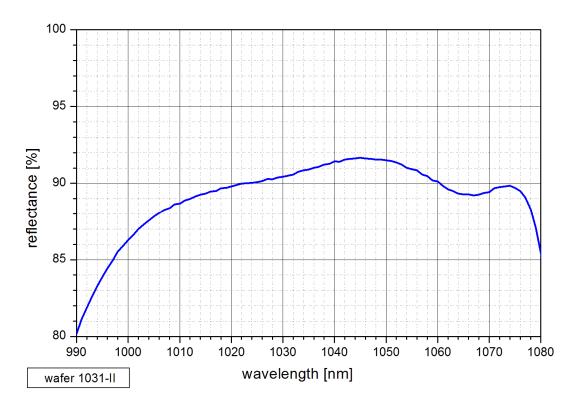


SAM™ Data Sheet SAM-1064-10-5ps-x, λ = 1064 nm

Laser wavelength $\lambda = 1064 \text{ nm}$ High reflection band $\lambda = 1000 \dots 1070 \text{ nm}$ Absorbance $A_0 = 10 \%$ Modulation depth $\Delta R = 6 \%$ Non-saturable loss $A_{ns} = 4 \%$ Saturation fluence $\Phi_{sat} = 35 \mu \text{J/cm}^2$ Relaxation time constant $\tau = 5 \text{ps}$ Damage threshold $\Phi = 3 \text{mJ/cm}^2$ Chip area $4.0 \text{mm} \times 4.0 \text{mm}$; other dimensions on request
Absorbance $A_0 = 10 \%$ Modulation depth $\Delta R = 6 \%$ Non-saturable loss $A_{ns} = 4 \%$ Saturation fluence $\Phi_{sat} = 35 \mu J/cm^2$ Relaxation time constant $\tau = 5 ps$ Damage threshold $\Phi = 3 m J/cm^2$
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Relaxation time constant $\tau = 5 \text{ ps}$ Damage threshold $\Phi = 3 \text{ mJ/cm}^2$
Damage threshold $\Phi = 3 \text{ mJ/cm}^2$
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 copper heat sink with 12.7 mm Ø x = 25.4 g glued on a copper heat sink with 25.4 mm Ø x = 12.7 g glued on a copper heat sink with 25.4 mm Ø

0	5 11
x = 12.7 s	soldered on a copper heat sink with 12.7 mm $arnothing$
x = 25.4 s	soldered on a copper heat sink with 25.4 mm $arnothing$
x = 25.0 w	soldered on a water cooled copper heat sink with 25.0 mm \varnothing
x = FC	mounted on a 1 m single mode fiber with FC connector

Low intensity spectral reflectance



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