1

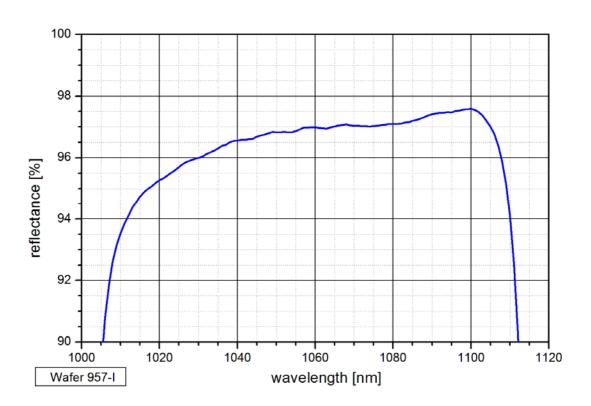


SAM™ Data Sheet SAM-1064-3-25ps-x, λ = 1064 nm

Laser wavelength	$\lambda = 1064 \text{ nm}$	
High reflection band	λ = 1020 1100 nm	
Absorbance	A ₀ = 3 %	
Modulation depth	$\Delta R = 2 \%$	
Non-saturable loss	A _{ns} = 1 %	
Saturation fluence	Φ_{sat} = 50 µJ/cm ²	
Relaxation time constant	τ ~ 25 ps	
Damage threshold	$\Phi = 2 \text{ mJ/cm}^2$	
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 along a gold plotted Cu sulinder with 12.7 mm G		

x = 12.7 g	glued on a gold plated Cu-cylinder with 12.7 mm $arnothing$
x = 25.4 g	glued on a gold plated Cu-cylinder with 25.4 mm $arnothing$
x = 12.7 s	soldered on a gold plated Cu-cylinder with 12.7 mm $arnothing$
x = 25.4 s	soldered on a gold plated Cu-cylinder with 25.4 mm $arnothing$
x = 25.0 w	soldered on a water cooled Cu-cylinder with 25.4 mm $arnothing$
x = FC	mounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance



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