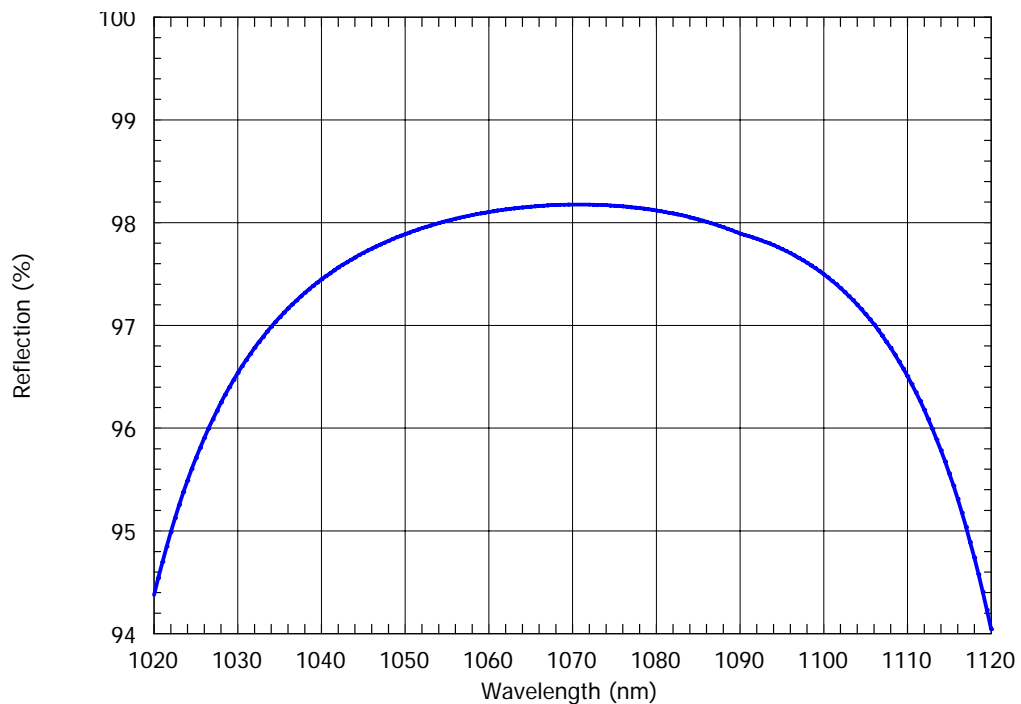


## SOC data sheet SOC-1064-0.8-x, $\lambda = 1064 \text{ nm}$

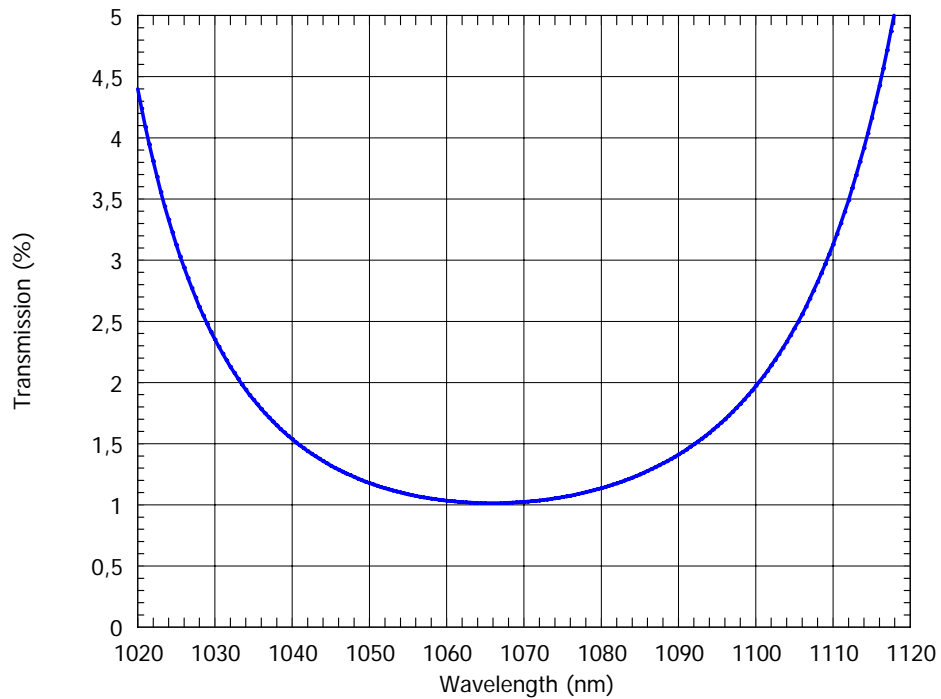
Laser wavelength	$\lambda = 1064 \text{ nm}$
Transmittance	$T = 1.0 \%$
Absorptance	$A_0 = 0.8 \%$
Modulation depth	$\Delta R = 0.5 \%$
Non-saturable loss	$A_{ns} = 0.3 \%$
Saturation fluence	$\Phi_{sat} = 90 \mu\text{J}/\text{cm}^2$
Relaxation time constant	$\tau \leq 3 \text{ ps}$
Chip area	5mm x 5mm; other dimensions on request
Chip thickness	625 $\mu\text{m}$ ; semi-insulating GaAs
Front side protection	with a dielectric layer
Back side AR coating	the SOC back side is polished and antireflection coated for 1064 nm
Mounting of SOC-1064-0.8-x	denotes the type of mounting as follows:
x = 0	unmounted
x = 12.7	glued on a copper heat sink with 12.7 mm $\varnothing$ and 4 mm $\varnothing$ center hole
x = 25.4	glued on a copper heat sink with 25.4 mm $\varnothing$ and 4 mm $\varnothing$ center hole
x = FC	mounted on a 1 m monomode fiber cable with FC connector

### Spectral low intensity reflectance



#### SOC 402-I

### Spectral low intensity transmittance



### Spectral low intensity absorptance

