BATOP optoelectronics

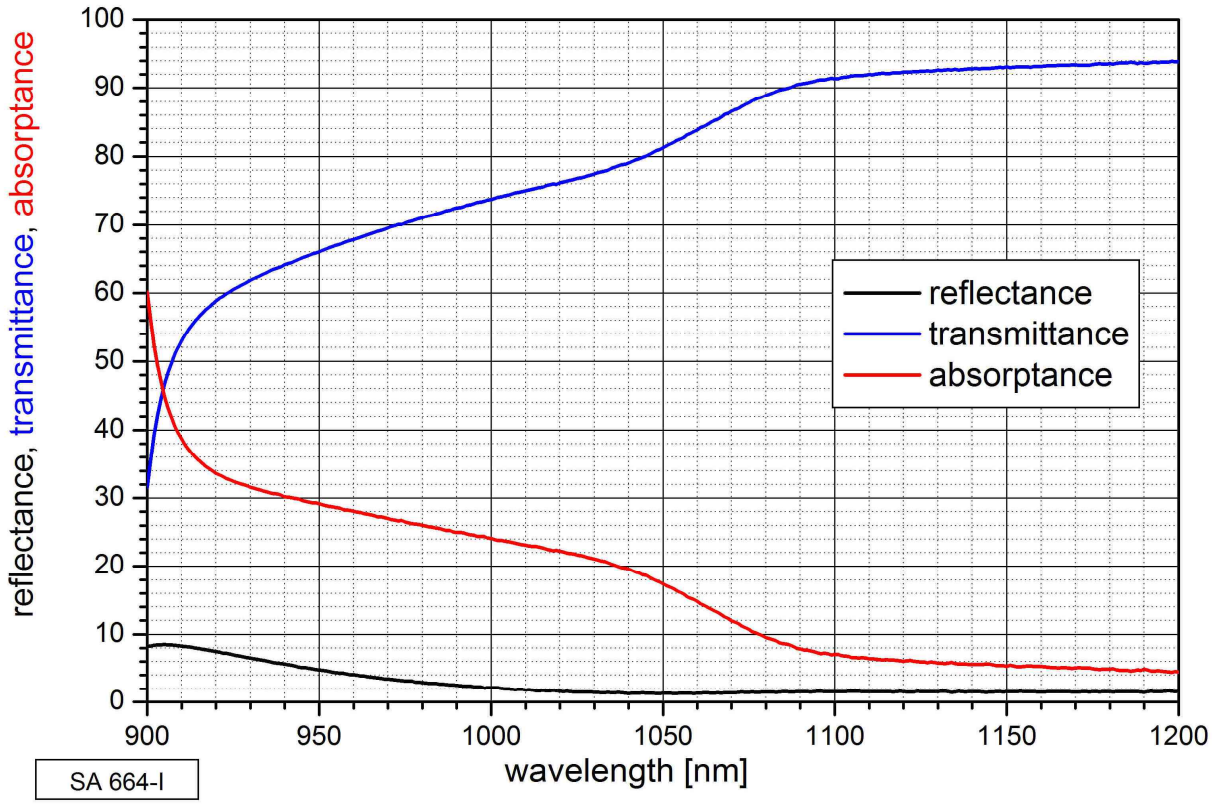
SA data sheet SA-1064-14-28ps-x, λ = 1064 nm

Laser wavelength	λ = 1000 nm … 1100 nm
Absorptance	A_0 = 14 %
Transmittance	T = 85 %
Modulation depth	ΔT = 3.4 %
Saturation fluence	Φ_{sat} = 300 µJ/cm^2
Damage threshold	P/A = 200 MW/cm^2
Relaxation time constant	τ ~ 28 ps
Chip area	5.0 mm x 5.0 mm; other dimensions on request
Chip thickness	625 µm; semi-insulating GaAs
Front side protection	AR coating for 1064 nm
Back side coating	the SA back side is polished and antireflection coated for 1064 nm

Mounting of SA-1064-14-28ps-**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 ∅ and 4 mm ∅ center hole
x = 25.4 g	glued on a copper heat sink with 25.4 mm ∅ and 4 mm ∅ center hole
x = FC	a back-thinned SA chip with 100 µm thickness is mounted inside a 1 m monomode fiber cable

low intensity reflectance, absorptance and transmittance



Relaxation time τ measurement