BATOP optoelectronics

SA data sheet SA-1550-35-2ps-x, λ = 1550 nm

Laser wavelength	λ = 1400 nm … 1600 nm
Absorptance	A_0 = 35 %
Modulation depth	ΔT = 21 %
Non-saturable loss	A_{ns} = 14 %
Saturation fluence	Φ_{sat} = 300 µJ/cm^2
Damage threshold	Φ = 1.5 mJ/cm^2
Relaxation time constant	τ ~ 2 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 1550 nm
Back side coating	the SA back side is polished and antireflection coated for 1550 nm

Mounting option **x** denotes the type of mounting as follows:

x = 0	unmounted chip with area 5mm x 5mm
x = 12.7 g	glued on a copper heat sink with 12.7 mm ∅ with 4 mm ∅ center hole
x = 25.4 g	glued on a copper heat sink with 25.4 mm ∅ with 4 mm ∅ center hole
x = FC	a back-thinned SA chip with 150 µm thickness is mounted inside a 1 m long single mode fiber cable

Spectral low intensity reflectance, transmittance and absorptance