

Data sheet saturable output coupler SOC-1064-21-13-20ps-x, $\lambda = 1064$ nm

Laser wavelength	$\lambda = 1064$ nm
Absorptance at 1064 nm	$A_0 = 21$ %
Transmittance at 1064 nm	$T = 13$ %
Reflectance at 1064 nm	$R = 66$ %
Modulation depth	$\Delta R = 13$ %
Saturation fluence	$\Phi_{\text{sat}} = 500$ $\mu\text{J}/\text{cm}^2$
Relaxation time constant	$\tau \sim 20$ ps
Chip area	5 mm x 5 mm; other dimensions on request
Chip thickness	625 μm ; semi-insulating GaAs
Front side	with a dielectric layer
Back side AR coating	the SOC back side is polished and antireflection coated for 1064 nm

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

x = 0	unmounted
x = 12.7 g	glued on a gilded Cu-cylinder with 12.7 mm \varnothing and 4 mm \varnothing center hole
x = 25.0 g	glued on a gilded Cu-cylinder with 25. mm \varnothing and 4 mm \varnothing center hole
x = 25.4 g	glued on a gilded Cu-cylinder with 25.4 mm \varnothing and 4 mm \varnothing center hole
x = FC	mounted on a 1 m single mode fiber cable with FC connector

Spectral low intensity reflectance, **absorptance** and **transmittance**

