

## SOC data sheet SOC-1040-8-0.6-1ps-x, $\lambda$ = 1040 nm

= 1040 nm
= 8 %
= 0.6%
= 91 %
R = 5 %
<sub>ss</sub> = 3 %

Saturation fluence  $\Phi_{sat} = 70 \mu J/cm^2$ 

Relaxation time constant  $\tau \sim 1 \text{ ps}$ 

Chip area 5.0 mm x 5.0 mm; other dimensions on request

Chip thickness 625 µm; semi-insulating GaAs

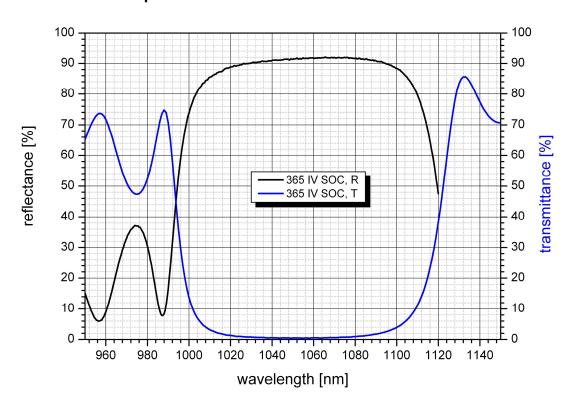
Front side protection with a dielectric layer

Back side AR coating the SOC back side is polished and antireflection coated for 1064 nm

Mounting option  $\mathbf{x}$  denotes the type of mounting as follows:

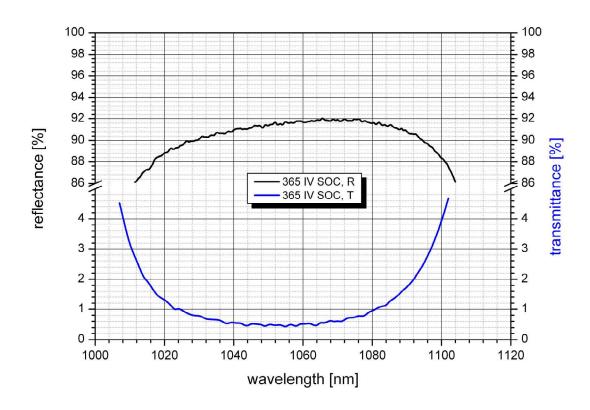
$\mathbf{x} = 0$	unmounted
x = 12.7 g	glued on a gilded Cu-cylinder with 12.7 mm $\varnothing$ and 4 mm $\varnothing$ center hole
x = 25.0 g	glued on a gilded Cu-cylinder with 25. mm $\varnothing$ and 4 mm $\varnothing$ center hole
x = 25.4 g	glued on a gilded Cu-cylinder with 25.4 mm $\varnothing$ and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

## Spectral reflectance and transmittance





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## Low intensity spectral reflectance and dispersion coefficient D<sub>2</sub>

