

## SOC data sheet SOC-2000-40-28-10ps-x, $\lambda$ = 2000 nm saturable output coupler

Damage threshold  $\Phi \sim 1 \text{ mJ/cm}^2$ 

Relaxation time constant  $\tau \sim 10 \text{ ps}$ 

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 2000 nm

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

x = 0 unmounted

 $\mathbf{x}$  = 12.7 gglued on a gilded Cu-cylinder with 12.7 mm  $\varnothing$  and 4 mm  $\varnothing$  center hole $\mathbf{x}$  = 25.0 gglued on a gilded Cu-cylinder with 25. mm  $\varnothing$  and 4 mm  $\varnothing$  center hole $\mathbf{x}$  = 25.4 gglued 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, transmittance and absorptance

