

SAMTM Data Sheet SAM-3000-33-1ps-x, λ = 3000 nm

Laser wavelength $\lambda = 2000 \text{ nm}$

High reflection band (R > 65%) λ = 2000 .. 3400 nm

Absorbance $A_0 = 33 \ \%$ Modulation depth $\Delta R = 18 \ \%$ Non-saturable loss $A_{ns} = 15 \ \%$ Saturation fluence $\Phi_{sat} = 70 \ \mu \text{J/cm}^2$

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

Damage threshold 350 MW/cm²

Chip area 4mm x 4mm; other dimensions on request

Chip thickness 625 µm

Design the SAM use a gold mirror

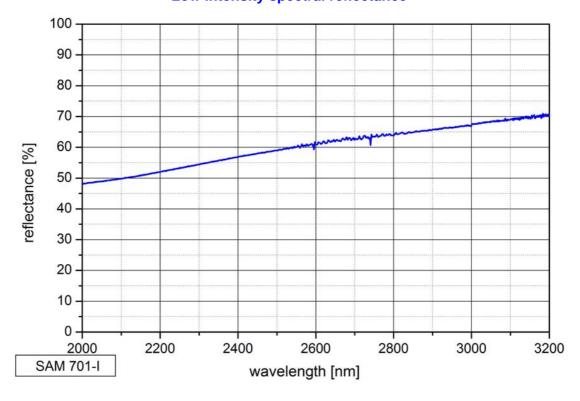
the laser beam goes through the AR coated GaAs wafer

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

 $\mathbf{x} = 0$ unmounted

 $x = 12.7 \, \mathrm{g}$ glued on a gold plated Cu-cylinder with 12.7 mm \varnothing $x = 25.4 \, \mathrm{g}$ glued on a gold plated Cu-cylinder with 25.4 mm \varnothing $x = 12.7 \, \mathrm{s}$ soldered on a gold plated Cu-cylinder with 12.7 mm \varnothing $x = 25.4 \, \mathrm{s}$ soldered on a gold plated Cu-cylinder with 25.4 mm \varnothing x = FCmounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance



BATOP GmbH Wildenbruchstraße 15 D-07745 Jena Germany Tel: +49 3641 634009 - 0 Fax: +49 3641 634009 - 20 E -mail: info@ batop.de Deutsche Bank Jena Bank Code: 82070024 Account No: 3922655 VAT Reg.No: DE813698804 Tax Acc. No: 162/106/01639 Local Court Jena HRB 112769

IBAN: DE49 8207 0024 0392 2655 00