

SAMTM Data Sheet SAM-1040-40-9ps-x, λ = 1040 nm

Laser wavelength $\lambda = 1040 \text{ nm}$

High reflection band (R > 58%) λ = 990 .. 1100 nm

Absorptance $A_0 = 40 \%$ Modulation depth $\Delta R = 25 \%$ Non-saturable loss $A_{ns} = 15 \%$

Saturation fluence $\Phi_{\text{sat}} = 90 \, \mu \text{J/cm}^2$

Relaxation time constant $\tau \sim 9 \text{ ps}$

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

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

Chip thickness 450 µm; optional: 150 µm on request

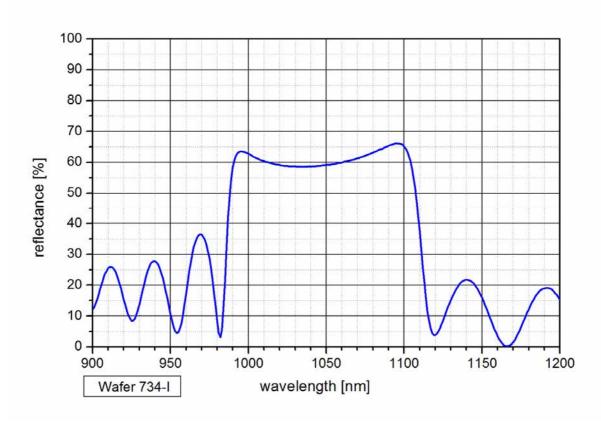
Protection the SAM is protected with a dielectric front layer

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