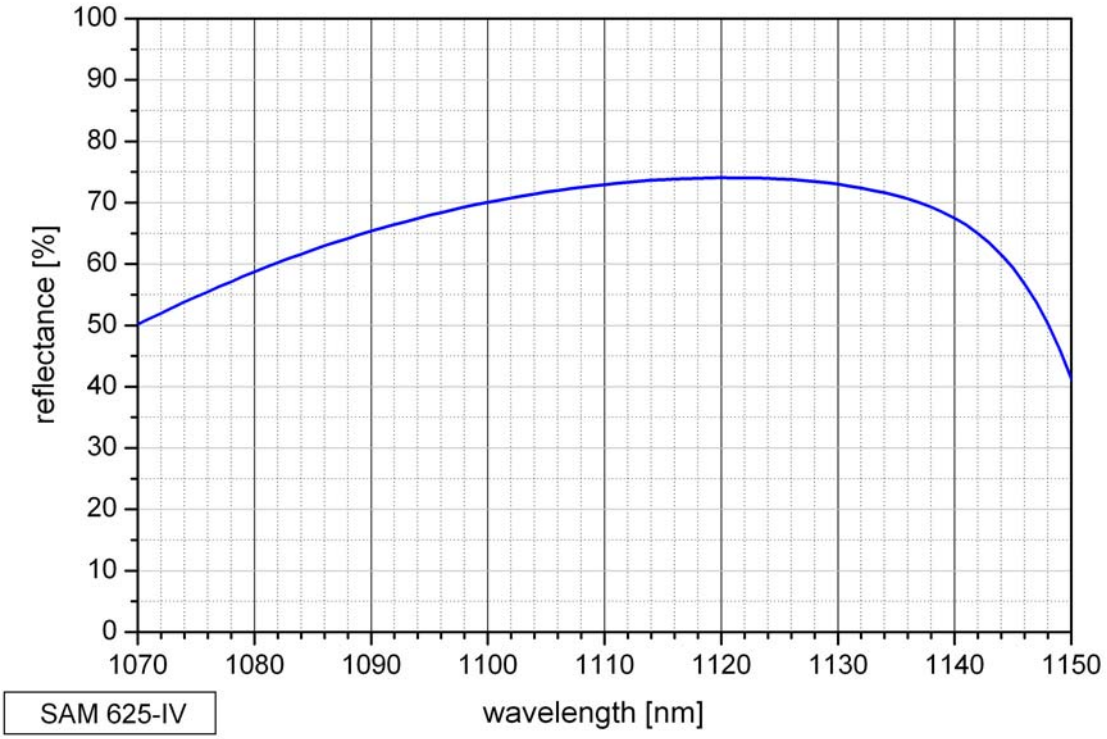
SAM™ Data Sheet SAM-1100-30-500fs-x, λ = 1100 nm

Laser wavelength	λ = 1100 nm
High reflection band (R > 50%)	λ = 1070 .. 1145 nm
Absorptance	A_0 = 30 %
Modulation depth	ΔR = 20 %
Non-saturable loss	A_{ns} = 10 %
Saturation fluence	Φ_{sat} = 110 µJ/cm^2
Relaxation time constant	τ ~ 500 fs
Absorber layer	multiple quantum well
Damage threshold	600 MW/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:

x = 0	unmounted
x = 12.7 g	glued on a copper heat sink with 12.7 mm ∅
x = 25.4 g	glued on a copper heat sink with 25.4 mm ∅
x = 12.7 s	soldered on a copper heat sink with 12.7 mm ∅
x = 25.4 s	soldered on a copper heat sink with 25.4 mm ∅
x = 25.0 w	soldered water cooled copper heat sink with 25.0 mm ∅
x = FC/PC	mounted on a 1 m monomode fiber cable with FC/PC 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
IBAN: DE49 8207 0024 0392 2655 00

VAT Reg.No: DE813698804
Tax Acc. No: 162/106/01639
Local Court Jena HRB 112769