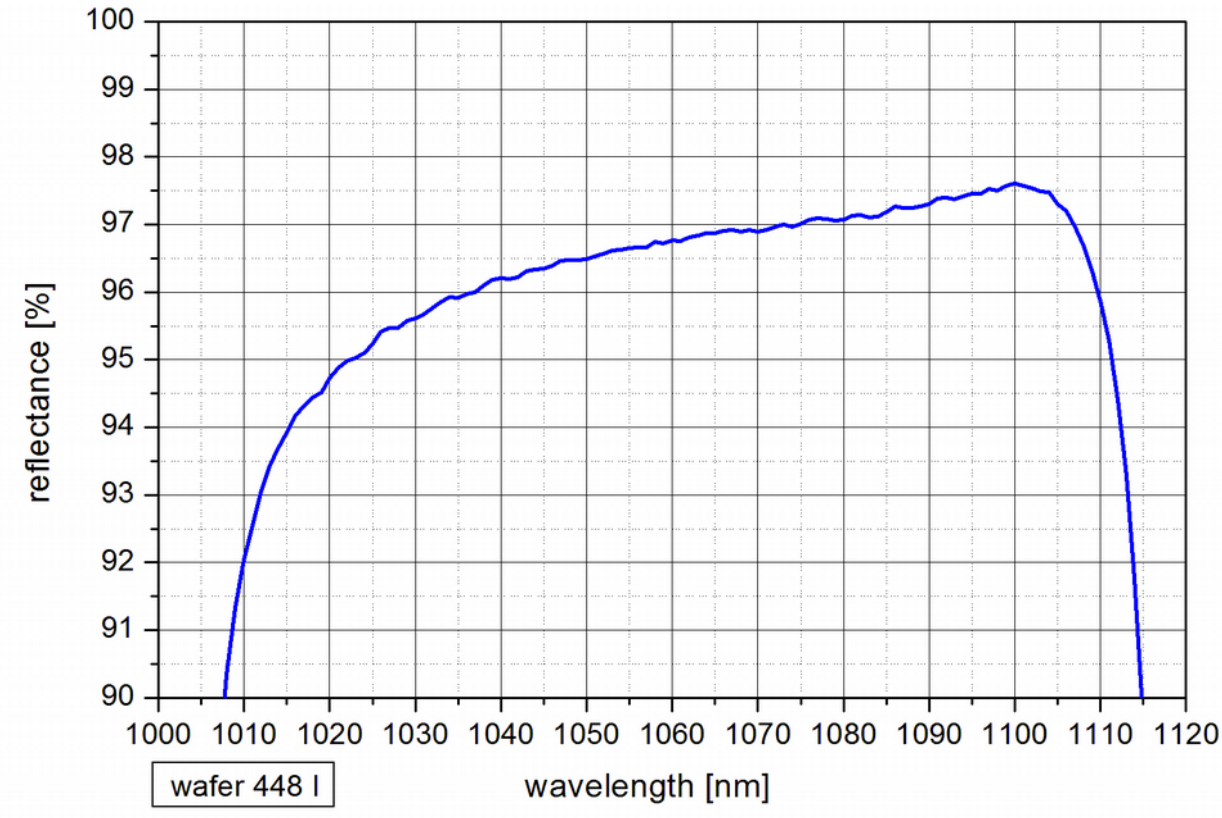
SAM™ Data Sheet SAM-1040-4-5ps-x, λ = 1064 nm

Laser wavelength	λ = 1040 nm
High reflection band (R > 95%)	λ = 1020 .. 1100 nm
Absorptance	A_0 = 4 %
Modulation depth	ΔR = 2,3 %
Non-saturable loss	A_{ns} = 1,7 %
Saturation fluence	Φ_{sat} = 70 µJ/cm²
Relaxation time constant	τ ~ 5 ps
Damage threshold	Φ = 2 mJ/cm²
Chip area	4 mm x 4 mm; other dimensions on request
Chip thickness	450 µm
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 gold plated Cu-cylinder with 12.7 mm ∅
x = 25.4 g	glued on a gold plated Cu-cylinder with 25.4 mm ∅
x = 12.7 s	soldered on a gold plated Cu-cylinder with 12.7 mm ∅
x = 25.4 s	soldered on a gold plated Cu-cylinder with 25.4 mm ∅
x = FC	mounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance and dispersion



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