1

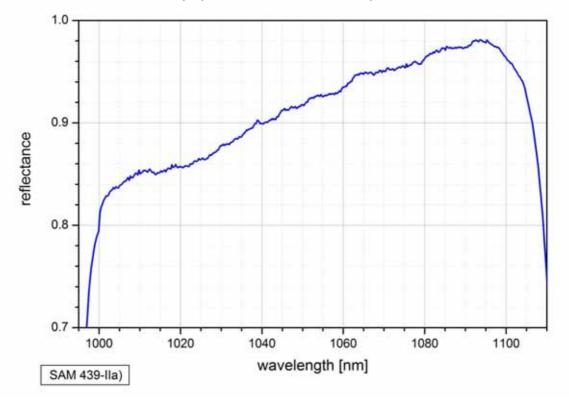


SAM™ Data Sheet SAM-1064-5-3ps-x, λ = 1064 nm

Laser wavelength	$\lambda = 1064 \text{ nm}$
High reflection band (R > 85%) λ = 1020 1100 nm	
Absorbance	A ₀ = 5 %
Modulation depth	$\Delta R = 3 \%$
Non-saturable loss	$A_{ns} = 2 \%$
Saturation fluence	Φ_{sat} = 70 µJ/cm ²
Relaxation time constant	τ ~ 3 ps
Damage threshold	$\Phi = 2.5 \text{ mJ/cm}^2$
Chip area	4mm x 4mm; 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: $\mathbf{x} = 0$ unmounted $\mathbf{x} = 12.7$ g glued on a gold plated Cu-cylinder with 12.7 mm \varnothing	
x = 12.7 g x = 25.4 g	glued on a gold plated Cu-cylinder with 12.7 mm \emptyset

x = 25.4 g	glued on a gold plated Cu-cylinder with 25.4 mm $arnothing$
x = 12.7 s	soldered on a gold plated Cu-cylinder with 12.7 mm $arnothing$
x = 25.4 s	soldered on a gold plated Cu-cylinder with 25.4 mm $arnothing$
x = FC	mounted on a 1 m monomode fiber cable with FC connector

Low intensity spectral reflectance and dispersion coefficient D₂



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
 VAT Reg.No: DE813698804

 Bank Code: 82070024
 Tax Acc. No: 162/106/01639

 Account No: 3922655
 Local Court Jena HRB 112769

 IBAN: DE49 8207 0024 0392 2655 00
 Local Court Jena HRB 112769