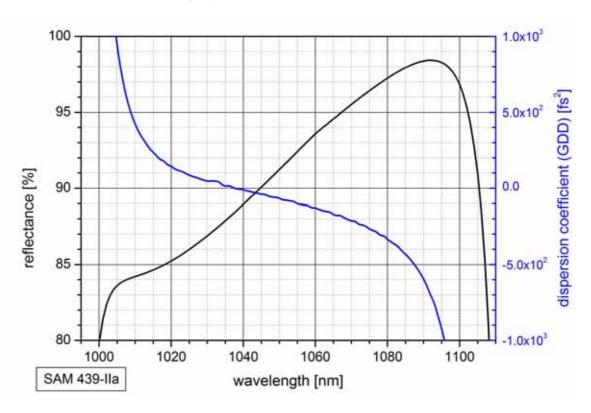


## SAM™ Data Sheet SAM-1040-10-3ps-x, λ = 1040 nm

Laser wavelength	$\lambda = 1040 \text{ nm}$
High reflection band (R > 85%) $\lambda$ = 1000 1110 nm	
Absorbance	A <sub>0</sub> = 10 %
Modulation depth	$\Delta R = 7 \%$
Non-saturable loss	$A_{ns} = 3 \%$
Saturation fluence	$\Phi_{sat} = 80 \ \mu J/cm^2$
Relaxation time constant	τ ~ 3 ps
Damage threshold	$\Phi = 3 \text{ mJ/cm}^2$
Chip area	4mm x 4mm; other dimensions on request
Chip thickness	400 μm; optional: 150 μm on request
Protection	the SAM is protected with a dielectric front layer
-	type of mounting as follows: unmounted glued on a gold plated Cu-cylinder with 12.7 mm $\oslash$
x = 25.4  a	alued on a gold plated Cu-cylinder with 25.4 mm $\varnothing$

<b>x</b> = 12.7 g	glued on a gold plated Cu-cylinder with 12.7 mm $arnothing$
<b>x</b> = 25.4 g	glued on a gold plated Cu-cylinder with 25.4 mm $arnothing$
<b>x</b> = 12.7 s	soldered on a gold plated Cu-cylinder with 12.7 mm $arnothing$
<b>x</b> = 25.4 s	soldered on a gold plated Cu-cylinder with 25.4 mm $arnothing$
<b>x</b> = 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
 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
 Description