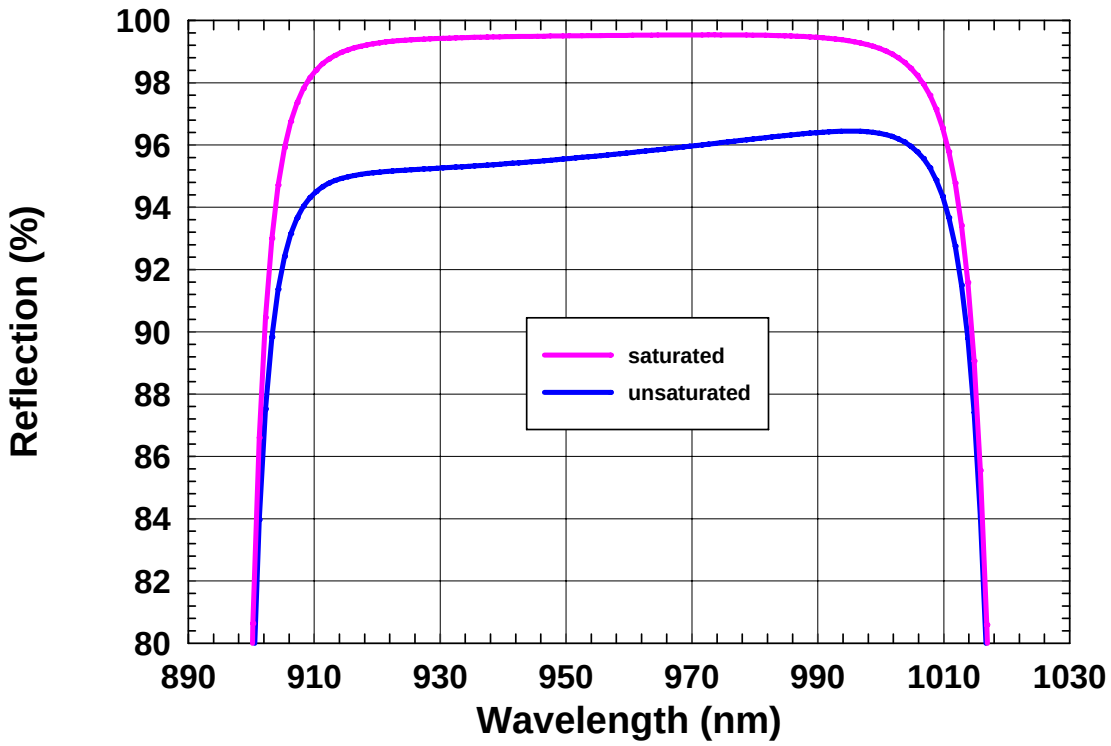
BATOP optoelectronics

SAM™ data sheet SAM-980-4-x-500fs, λ = 980 nm

Laser wavelength	λ = 980 nm
High reflection band (R > 99%)	λ = 920 .. 1000 nm
Saturable absorptance	A_0 = 4 %
Saturation fluence	Φ_{sat} = 70 µJ/cm^2
Relaxation time constant	τ ~ 500 fs
Non-saturable loss	A_{ns} < 0.6 %
Chip area	4mm x 4mm; other dimensions on request
Chip thickness	400 µm; optional: 100 µm on request
Protection	the SAM is protected with a dielectric front layer
Mounting of SAM-980-4-**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

Spectral reflectance



光技術をサポートする
株式会社オプトサイエンス
http://www.optoscience.com

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