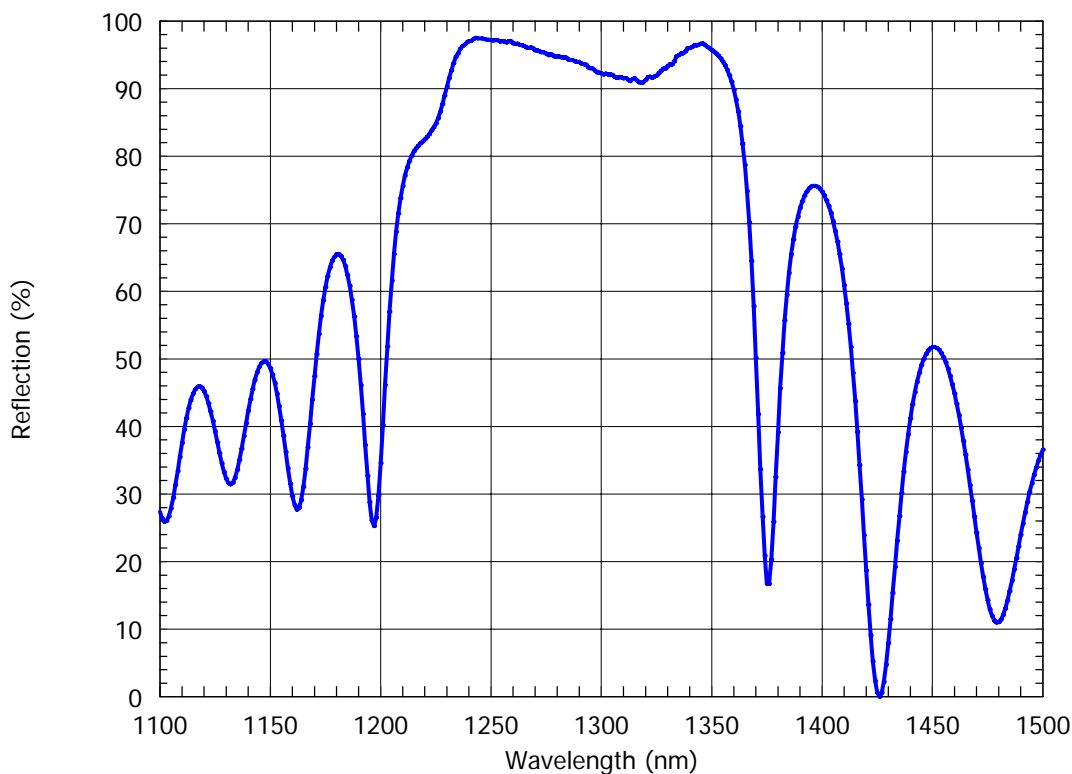


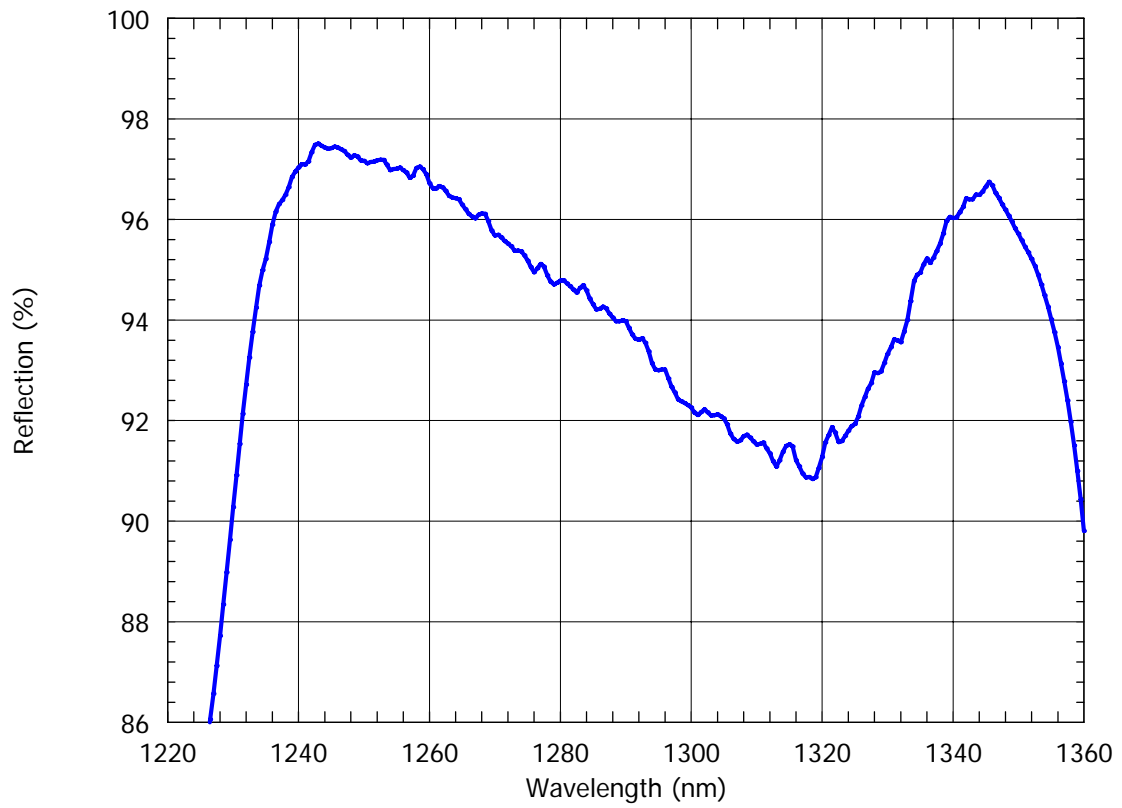
### SAM™ data sheet SAM-1300-8-x, $\lambda = 1300$ nm

Laser wavelength	$\lambda = 1300$ nm
High reflection band (R > 90%)	$\lambda = 1240 \dots 1340$ nm
Saturable absorptance	$A_0 = 8$ %
Saturation fluence	$\Phi_{\text{sat}} = 60$ $\mu\text{J}/\text{cm}^2$
Relaxation time constant	$\tau \sim 10$ ps
Modulation depth	$\Delta R = 5$ %
Chip area	4mm x 4mm; other dimensions on request
Chip thickness	400 $\mu\text{m}$
Protection	the SAM is protected with a dielectric front layer
Mounting of SAM-1300-8-x	denotes the type of mounting as follows:
<b>x = 0</b>	unmounted
<b>x = 12.7 g</b>	glued on a gold plated Cu-cylinder with 12.7 mm $\varnothing$
<b>x = 25.4 g</b>	glued on a gold plated Cu-cylinder with 25.4 mm $\varnothing$
<b>x = 12.7 s</b>	soldered on a gold plated Cu-cylinder with 12.7 mm $\varnothing$
<b>x = 25.4 s</b>	soldered on a gold plated Cu-cylinder with 25.4 mm $\varnothing$
<b>x = 25.0 w</b>	soldered on a water cooled Cu-cylinder with 25.0 mm $\varnothing$
<b>x = FC</b>	mounted on a 2 m monomode fiber cable with FC connector

#### low intensity spectral reflectance



SAM 424-Ia



SAM 424-1a