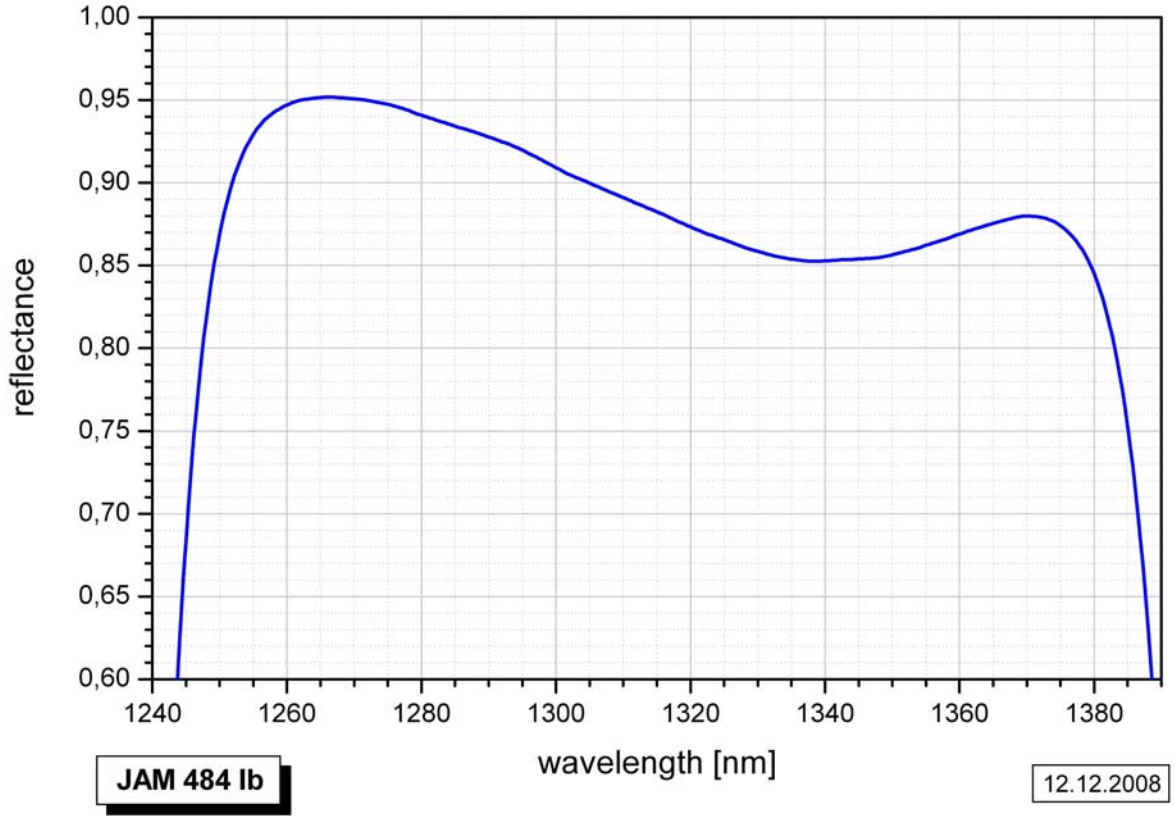
SAM™ data sheet SAM-1340-15-x-1ps, λ = 1340 nm

Laser wavelength	λ = 1340 nm
High reflection band (R > 85%)	λ = 1260 .. 1370 nm
Absorbance	A_0 = 15 %
Modulation depth	ΔR = 8 %
Non-saturable loss	A_{ns} = 7 %
Saturation fluence	Φ_{sat} = 90 µJ/cm^2
Relaxation time constant	τ ~ 1 ps
Damage threshold	500 MW/cm^2 peak power density
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

Mounting of SAM-1340-15-**x**-1ps 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



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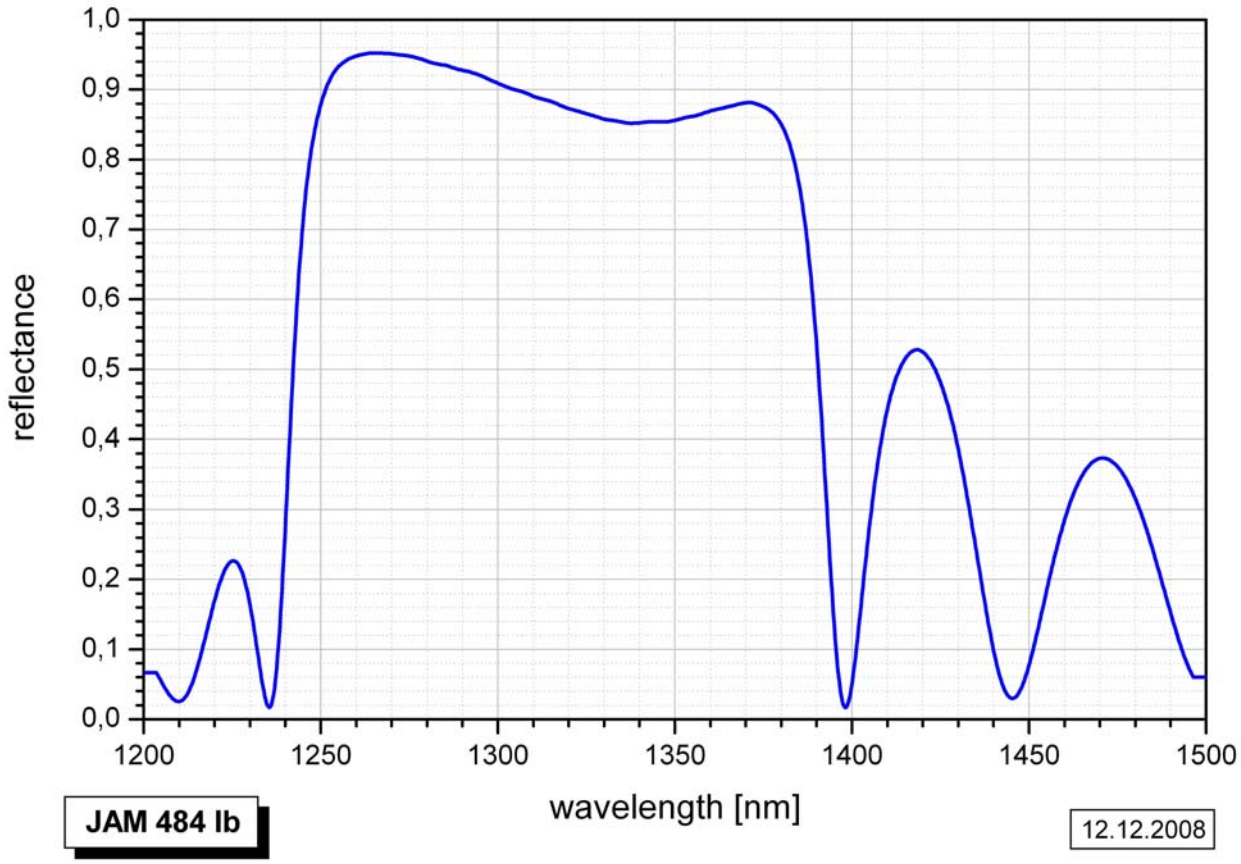

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