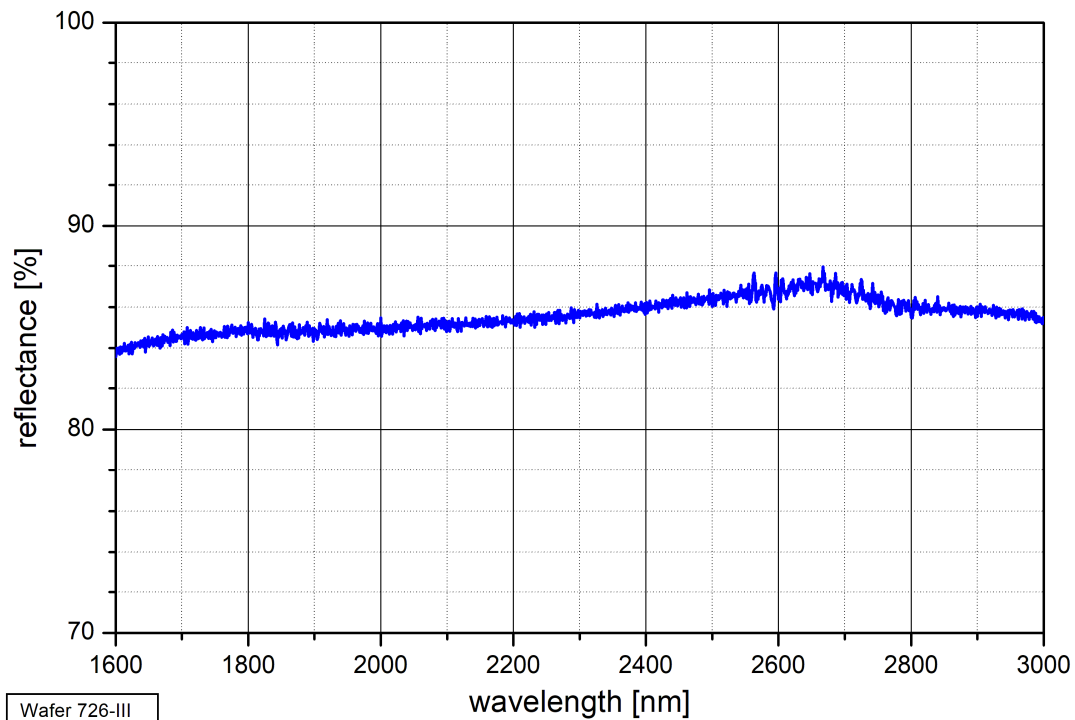


SAM™ Data Sheet SAM-2800-14-10ps-x, $\lambda = 2800$ nm

Laser wavelength	$\lambda = 2800$ nm
High reflection band	$\lambda = 2730 \dots 2870$ nm
Absorbance	$A_0 = 14$ %
Modulation depth	$\Delta R = 8$ %
Non-saturable loss	$A_{ns} = 6$ %
Saturation fluence	$\Phi_{sat} = 40$ $\mu\text{J}/\text{cm}^2$
Relaxation time constant	$\tau \sim 10$ ps
Damage threshold	$\Phi_{sat} = 2$ mJ/cm^2
Chip area	4.0 mm x 4.0 mm; 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:	
x = 0	unmounted
x = 12.7 g	glued on a gold plated Cu-cylinder with 12.7 mm \varnothing
x = 25.4 g	glued on a gold plated Cu-cylinder with 25.4 mm \varnothing

Low intensity spectral reflectance

Reverse design of the SAM-2800-14-10ps-x

