

## SAM™ data sheet SAM-1550-17-10ps-x, λ = 1550 nm

Laser wavelength	$\lambda$ = 1550 nm		
High reflection band	λ = 1460 1600 nm		
Absorbance	A <sub>0</sub> = 17 %		
Modulation depth	ΔR = 10 %		
Non-saturable loss	A <sub>ns</sub> = 7 %		
Saturation fluence	$\Phi_{sat}$ = 60 µJ/cm <sup>2</sup>		
Damage threshold	$\Phi_{dam}$ = 2 mJ/cm <sup>2</sup>		
Relaxation time constant	τ ~ 10 ps		
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 <b>x</b> denotes the $\mathbf{x} = 0$ $\mathbf{x} = 12.7 \text{ g}$	unmounted		

<b>x</b> = 12.7 g	glued on a gilded Cu-cylinder with 12.7 mm $arnothing$ and 4 mm $arnothing$ center hole
x = 25.0  a	glued on a gilded Cu-cylinder with 25, mm $\oslash$ and 4 mm $\oslash$ center hole

0	0	0	,	
<b>x</b> = 25.4 g	alued o	n a gilded (	Cu-cylinde	er with 25.4 mm $\varnothing$ and 4 mm $\varnothing$ center hole
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**x** = FC mounted on a 1 m single mode fiber cable with FC connector

## Low intensity spectral reflectance 100 95 90 reflectance [%] 85 80 75 70 -1460 1480 1500 1520 1540 1560 1580 1600 wavelength [nm] SAM 343-IVa

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