

Product Description

Set of 10 SNOM aperture cantilevers for NONCONTACT mode, resonance frequency 88–180 kHz, force constant 5.9–39 N/m.

Tip and lever specification

See corresponding pictures in the picture bar from the left.

- Tip shape - pyramidal
- Size of pyramid base, LxWxH = 20x20x13
- Pyramid angle - 70 degrees
- Pyramid material - SiO₂
- Thickness of SiO₂ - 400–600nm
- Tip coating - Al
- Thickness of Al coating ~ 100nm
- Aperture size - 150 ± 25nm

Special Features

Cantilever series	Cantilever length, L±10µm	Cantilever width, W±3µm	Cantilever thickness, T±1µm	Resonant frequency, kHz			Force constant, N/m		
				min	typical	max	min	typical	max
SNOM_NC	200	55	4	88	130	180	5.9	16.5	39