

Product Description

High Accuracy AFM Cantilevers HA_NC series without tips are designed for Semicontact (Intermittent), Noncontact applications. Each probe has 2 rectangular cantilevers. Typical Resonant Frequency 235kHz / 140kHz (dispersion $\pm 10\%$). Typical Force Constant 12N/m / 3.5N/m (dispersion $\pm 20\%$). Cantilever has Au reflective side coating to increase laser signal. Probes are also available with no coating as well as with conductive tip coating.

Probes are packed in boxes with 15 and 50 pieces. Amount discount is included in the package price.

General Features

Material	Polysilicon cantilever, silicon tip
Chip size	3.6x1.6x0.4mm
Reflective side coating	Au
Tip coating	No

Special Features

Cantilever series	Cantilever	Cantilever length, L $\pm 2\mu\text{m}$	Cantilever width, W $\pm 3\mu\text{m}$	Cantilever thickness, T $\pm 0.15\mu\text{m}$	Resonant frequency, kHz			Force constant, N/m		
					min	typical	max	min	typical	max
HA_NC/tipless	A	94	34	1.85	210	235	260	9	12	15
	B	124	34	1.85	125	140	155	2.5	3.5	4.5