

Product Description

Diamond Coated High Resolution AFM Cantilevers HA_FM_DCP series are the best are for any kind of long-term measurement. Stable and nondestructive, wear resistant probes with diamond coating allow you to make as many images as you want.

Each probe has 2 rectangular cantilevers. Typical Resonant Frequency 157kHz / 112kHz (dispersion $\pm 10\%$). Typical Force Constant 14.5N/m / 8.3N/m (dispersion $\pm 20\%$). Cantilever has Au reflective side coating to increase laser signal.

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	diamond
Tip curvature radius	~ 100nm

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_FM_DCP	A	183	34	3.1	140	157	173	11.5	14.5	17.5
	B	223	34	3.1	100	112	123	6.6	8.3	10