

Product Description

Diamond coated High Resolution AFM Cantilevers HA_C_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 48kHz / 26kHz (dispersion $\pm 10\%$). Typical Force Constant 1.4N/m / 0.7N/m (dispersion $\pm 20\%$). Cantilever has Au reflective 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	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_C_DCP	A	264	34	1.85	43	48	53	1.1	1.4	1.7
	B	364	34	1.85	23	26	29	0.5	0.7	0.9