

Product Description

Diamond coated Noncontact Conductive Silicon AFM Cantilevers DCP30 series, resonant frequency 280-510kHz, force constant 40-142N/m.

Diamond coated probes are the best 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.

DCP30 probes show high operation stability with outstanding sensitivity and fast scanning ability.

Cantilever has Al reflective coating.

Probes are packed in boxes with 5 pieces.

General Features

Material	Single Crystal Silicon with Diamond Coating
Chip size	3.4x1.6x0.3mm
Reflective side coating	Al
Tip coating	Diamond coating, boron doped, resistivity 0.003-0.005 Ohm*cm
Tip curvature radius	100-200 nm

Special Features

Cantilever series	Cantilever length, L±10µm	Cantilever width, W±7.5µm	Cantilever thickness, T±1.0µm	Resonant frequency, kHz			Force constant, N/m		
				min	typical	max	min	typical	max
DCP30	125	30	4.0	280	400	510	40	80	142