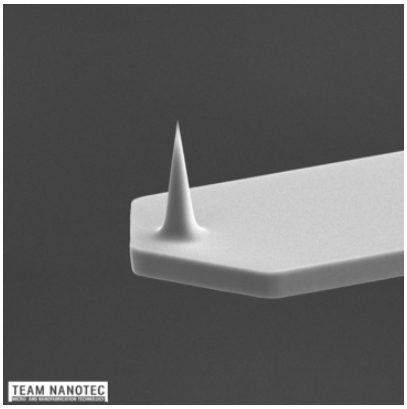
TEAM NANOTEC
MICRO- AND NANOFABRICATION TECHNOLOGY



CCS - Conical Contact mode Short cantilever

Conical Probe for Contact mode
0.1 N/m spring constant

Typical Tip Dimensions

Tip Radius	~ 8 nm (guaranteed < 10 nm)
Tip Style/Geometry	Conical
Tip Height	15 µm ± 2.5 µm
Tip Cone Angle	30 degrees

Typical Cantilever Properties

Spring Constant	0.1 N/m
Resonant Frequency	28 kHz
Length	225 µm
Width	42 µm
Thickness	0.9 µm

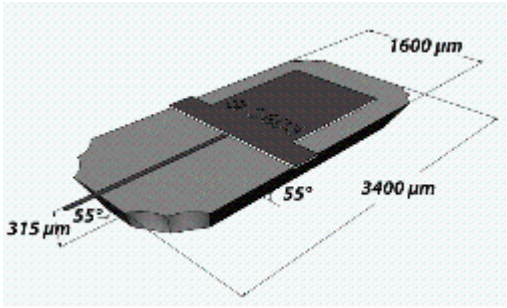
Aluminium coating on detector side of cantilever is available.

Please contact us about other coating options.

Common Properties

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Material	single crystal silicon, n-type, highly doped
Cantilevers per chip	one
Cantilever shape	Rectangular
Tip offset	~ 10 µm
Tip Aspect Ratio	1.5:1
Chip Dimensions	3.4 mm x 1.6 mm x 315 µm
Alignment Grooves	Yes



Typical Cantilever Specification

Spring Constant	0.1 N/m	Range: 0.01 - 0.5
Resonant Frequency	28 kHz	Range: 12 - 45
Length	225 µm	Range: 215 - 235
Width	42 µm	Range: 40 - 45
Thickness	0.9 µm	Range: 0.5 - 2.5

Team Nanotec guarantees 80 % of it's Aspire-Probes meet the specifications.

ReflexCoating:	Al-reflex,None
Quantity:	Qty 10,Qty 25,Qty 100,Qty 250,Qty 400

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