

QUANTUM BIO Series

	QUANTUM-BIO	QUANTUM-AC10
Part number	NT_QUANTUM_v0040	NT_QUANTUM_v0060
Tip		
Material	HDC/DLC	HDC/DLC
Shape	Conical	Conical
Length / l	6000 nm (± 500 nm)	2500 nm
Sharpness / r	7 nm (< 10 nm)	6-7 nm
Tilt compensation / θ	12°	8°
Cantilever		
Material	Quartz	Quartz
Shape	Rectangular	Rectangular
Length / L	30 μ m	7 μ m
Width / W	20 μ m	2 μ m
Thickness / T	1.25 μ m	0.08 μ m
Force constant ^[1] / k	18 N/m	0.15 N/m
Resonance frequency ^[1] / f	1.2 MHz	1.2 MHz
Tip side coating	none	none
Back side coating	Gold reflex	Gold reflex
Chip		
Length / L_chip	3400 μ m	3400 μ m
Width / W_chip	1500 μ m	1500 μ m
Thickness / T_chip	315 μ m	315 μ m
Alignment grooves	no	no

Also available

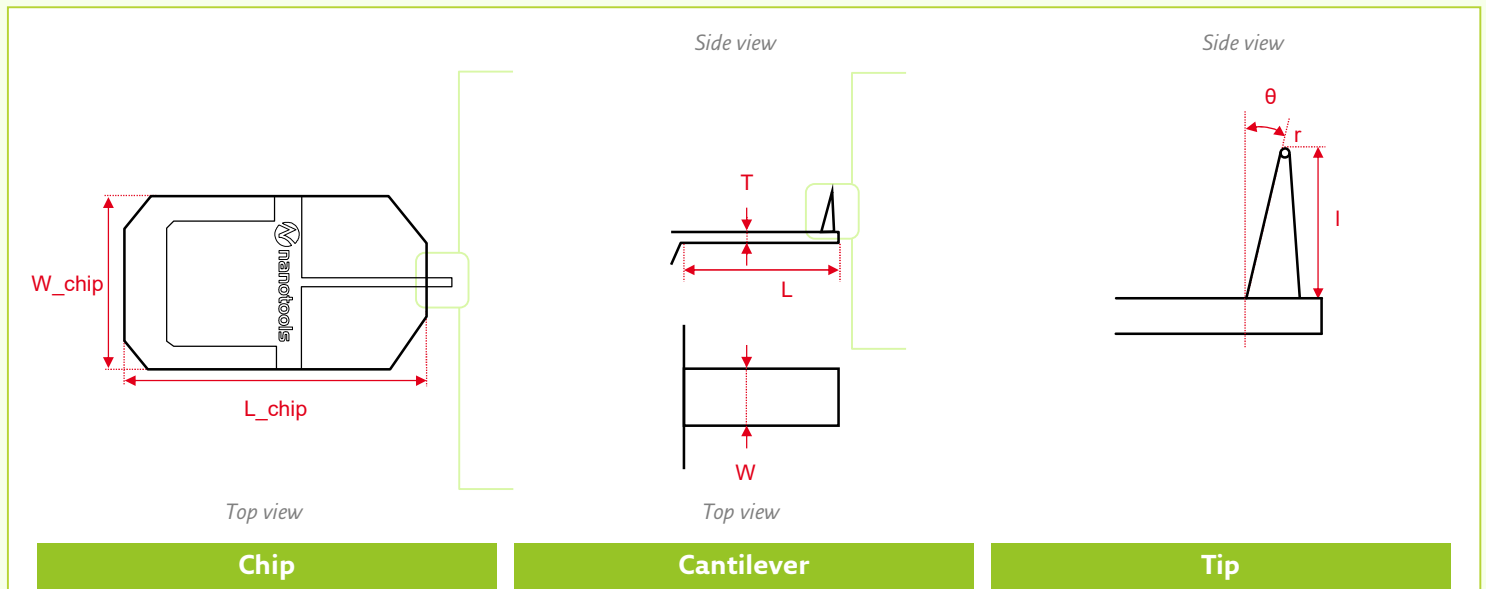
Type	r	k	Part number
QUANTUM-AC10-SuperSharp	2 nm	0.5 N/m	NT_QUANTUM_v0070

QUANTUM
carbon AFM probes



- For High Speed AFM
- Consistent Tuning
- Consistent Sharpness
- Carbon durability

[1] Resonance frequency f extracted from LDV measurements; cantilever stiffness k calculated from the (measured) cantilever geometry. Actual values of >90% of all probes are guaranteed to be within the specified range.



For more information, visit
www.nanotools.com

nanotools GmbH
Reichenbachstraße 33
D-80469 Munich
Phone +49 (0)89 12 11 38-0
info@nanotools.com



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