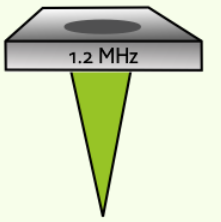
Green line

Ultimate performance. For research and science.

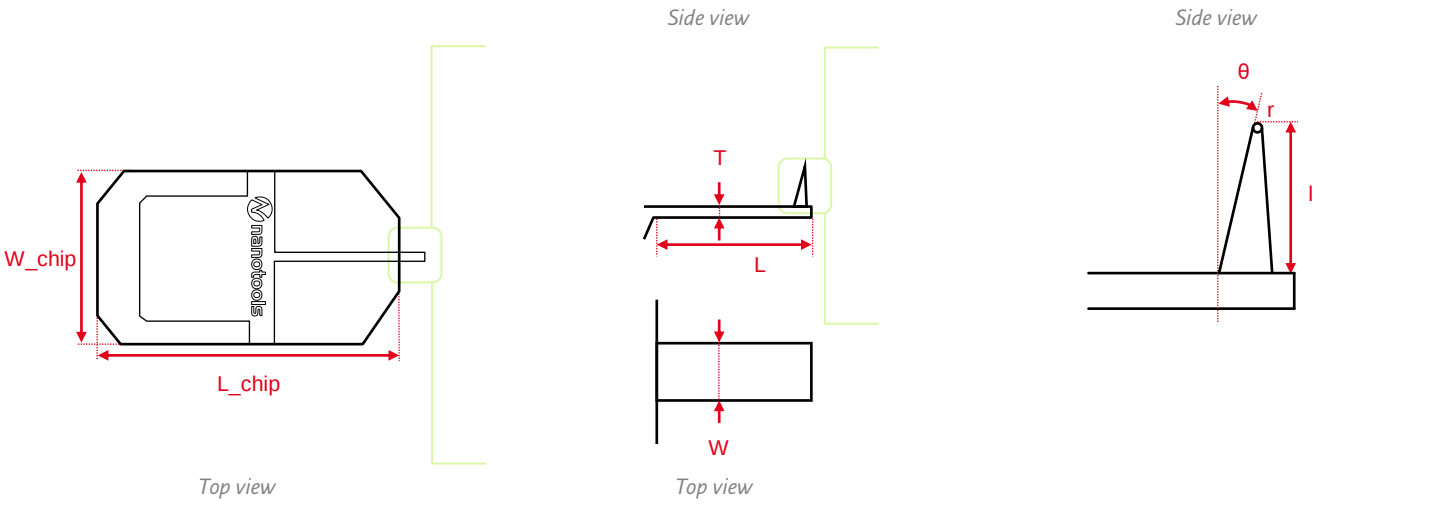
QUANTUM-AC10 Series

	QUANTUM-AC10	QUANTUM-AC10 SuperSharp	QUANTUM-AC10DS
Part number	**NT_QUANTUM_v0060**	**NT_QUANTUM_v0070**	**NT_QUANTUM_v0080**
Tip			
Material	HDC/DLC	HDC/DLC	HDC/DLC
Shape	Conical	Conical	Conical
Length / l	2500 nm	2500 nm	2500 nm
Sharpness / r	6-7 nm	2 nm	24 nm
Tilt compensation [1] / θ	8°	8°	8°
Cantilever			
Material	Quartz	Quartz	Quartz
Shape	Rectangular	Rectangular	Rectangular
Length / L	7 µm	7 µm	7 µm
Width / W	2 µm	2 µm	2 µm
Thickness / T	0.08 µm	0.08 µm	0.08 µm
Force constant [2] / k	0.15 N/m	0.15 N/m	0.15 N/m
Resonance frequency [2] / f	1.2 MHz	1.2 MHz	1.2 MHz
Tip side coating	none	none	none
Back side coating	Gold reflex	Gold reflex	Gold reflex
Chip			
Length / L_chip	3400 µm	3400 µm	3400 µm
Width / W_chip	1500 µm	1500 µm	1500 µm
Thickness / T_chip	315 µm	315 µm	315 µm
Alignment grooves	no	no	no



- For Video Rate, High Speed, and Fast Scanning AFM's
- Consistent Tuning
- nm-precise Sharpness
- Extremely Low Wear

[1] Also available with 11° and 12°
[2] 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
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