

Provided with
TrueDimensions™
Online access to key probe
parameters for every
individual tip



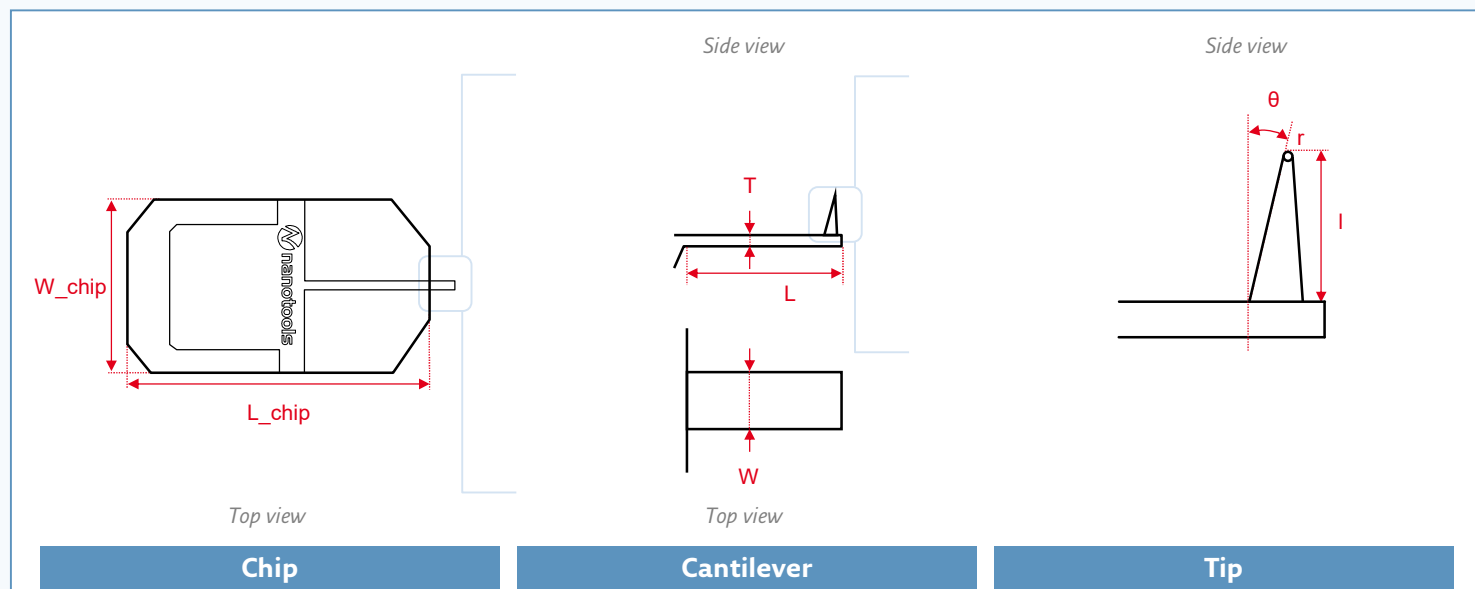
	QUANTUM-PRO	QUANTUM-UHF
Part number	NT_QUANTUM_v0010	NT_QUANTUM_v0020
Tip		
Material	HDC/DLC	HDC/DLC
Length / l	6000 nm (±500 nm)	6000 nm (±500 nm)
Sharpness / r	5 nm (5-6 nm)	7 nm (<10 nm)
Tilt compensation / θ	12° (±1°)	12° (±1°)
Cantilever		
Material	Quartz	Quartz
Shape	Rectangular	Rectangular
Length / L	30 μ m	35 μ m
Width / W	20 μ m	25 μ m
Thickness / T	1.25 μ m	1.65 μ m
Force constant ^[1] / k	18 N/m (15-25 N/m)	35 N/m (30-45 N/m)
Resonance frequency ^[1] / f	1.2 MHz (1.1-1.4 MHz)	1.2 MHz (1.1-1.4 MHz)
Tip side coating	none	none
Back side coating	reflex	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

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



Serving the semiconductor industry
since 1997



ISO 9001 certified quality