



Part number		NT_M1_v0010
<b>Tip</b>		
Material	HDC/DLC	
Shape	conical	
Tip length / l	800 nm	(±200 nm)
Diameter / d (measured at 600 nm)	70 nm	(±10 nm)
Half cone angle / Φ	<3°	(AR>9)
Radius / r	<5 nm	(<10 nm)
Tilt compensation / θ	13°	(±1°)
Pyramid height / PH	15 μm	(10-15 μm)
Tip set back / TSB	15 μm	(5-25 μm)

<b>Cantilever</b>		
Material	Si	
Shape	NT-RTESP	
Length / L	120 μm	(±5 μm)
Width / W	30 μm	(±2 μm)
Thickness / T	4.4 μm	(±0.5 μm)
Force constant / k	40 N/m	(±20 N/m)
Resonance Frequency / f	320 kHz	(±50 kHz)
<b>Coating</b>		
Tip side	none	
Back side	none	
<b>Chip</b>		
Length / L_Chip	3400 μm	
Width / W_Chip	1600 μm	
Thickness / T_Chip	315 μm	
Alignment grooves	no	