



Part number		NT_SSE_v0020
Tip		
Material	HDC/DLC	
Shape	conical	
Tip length / l	n/a	
Diameter / d	n/a	
Half cone angle / Φ	n/a	
Radius / r	2 nm	(<5 nm)
Tilt compensation / θ	n/a	
Pyramid height / PH	15 μm	(10-15 μm)
Tip set back / TSB	15 μm	(5-25 μm)

Cantilever		
Material	Si	
Shape	NT-FESPA	
Length / L	225 μm	($\pm 25 \mu\text{m}$)
Width / W	28 μm	($\pm 5 \mu\text{m}$)
Thickness / T	3 μm	($\pm 0.5 \mu\text{m}$)
Force constant / k	2.8 N/m	(1-5 N/m)
Resonance Frequency / f	75 kHz	(50-100 kHz)
Coating		
Tip side	none	
Back side	reflex	
Chip		
Length / L_Chip	3400 μm	
Width / W_Chip	1600 μm	
Thickness / T_Chip	315 μm	
Alignment grooves	yes	

