



Part number		NT_SSE_v0010
<b>Tip</b>		
Material	<b>HDC/DLC</b>	
Shape	conical	
Tip length / l	n/a	
Diameter / d	n/a	
Half cone angle / $\Phi$	n/a	
Radius / r	2 nm	(<5 nm)
Tilt compensation / $\theta$	n/a	
Pyramid height / PH	15 $\mu\text{m}$	(10-15 $\mu\text{m}$ )
Tip set back / TSB	15 $\mu\text{m}$	(5-25 $\mu\text{m}$ )

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