



Part number		NT_EBD_v0020
Tip		
Material	HfC/DLC	
Shape	conical	
Tip length / l	800 nm	(>600 nm)
Diameter / d	n/a	
Half cone angle / Φ	<4°	(AR>8)
Radius / r	7 nm	(<10 nm)
Tilt compensation / θ	13°	
Pyramid height / PH	15 μm	(10-15 μm)
Tip set back / TSB	15 μm	(5-25 μm)
Cantilever		
Material	Si	
Shape	NCH	
Length / L	125 μm	
Width / W	30 μm	
Thickness / T	4 μm	
Force constant / k	40 N/m	
Resonance Frequency / f	330 kHz	
Coating		
Tip side	none	
Back side	none	
Chip		
Length / L_Chip	3400 μm	
Width / W_Chip	1600 μm	
Thickness / T_Chip	315 μm	
Alignment grooves	yes	