

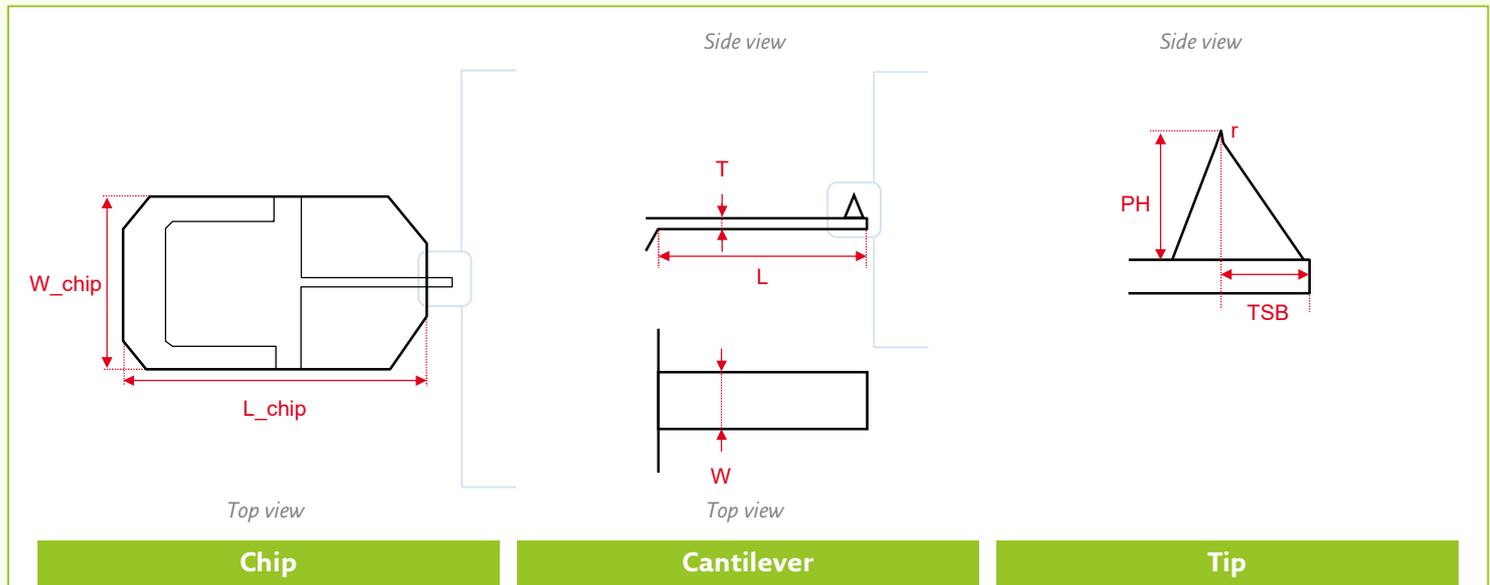
## EBD-NCHR

	EBD-NCHR	EBD-FMR
<b>Part number</b>	NT_EBD_v0060	NT_EBD_v0050
<b>Tip</b>		
Material	HDC/DLC	HDC/DLC
Sharpness / r	7 nm (<10 nm)	7 nm (<10 nm)
Total tip height / TH	15 μm (10-15 μm)	15 μm (10-15 μm)
Tip set back / TSB	15 μm (5-25 μm)	15 μm (5-25 μm)
<b>Cantilever</b>		
Material	Si	Si
Shape	NCHR	FMR
Length / L	125 μm	225 μm
Width / W	30 μm	28 μm
Thickness / T	4 μm	3 μm
Force constant <sup>[1]</sup> / k	40 N/m	2.8 N/m
Resonance frequency <sup>[1]</sup> / f	330 kHz	75 kHz
Tip side coating	none	none
Back side coating	reflex	reflex
<b>Chip</b>		
Length / L_chip	3400 μm	3400 μm
Width / W_chip	1600 μm	1600 μm
Thickness / T_chip	315 μm	315 μm
Alignment grooves	no	yes

- Consistent sharpness
- Diamond-like durability
- Starting at \$45



[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](http://www.nanotools.com)

nanotools GmbH  
 Reichenbachstraße 33  
 D-80469 Munich  
 Phone +49 (0)89 12 11 38-0  
[info@nanotools.com](mailto:info@nanotools.com)



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