



## Miniature-Chip-Coils

Type: CCF

Sizes: 0603, 0805, 1206

### Features:

- Wire-wound SMT-coils on Ferrite-core
- Contact areas with solderable metallization (conductive glueing possible)
- High Q-values and high self resonant frequency

### Sizes/Dimensions:

Size	L	B	H	C
0603	1,6	0,8	0,8	0,3
0805	2,2	1,3	1,3	0,5
1206	3,3	1,7	1,3	0,6

L =length, B = width, D = height, C = contact length (in mm)

### Packaging:

Bulk – minimum quantity 100 pcs

Tape according DIN IEC 283-3 – minimum quantity 1000 pieces

### Ordering Data:

Size

Inductance / tolerance

Measuring frequency / Q-factor

DC-resistance / -current

Packaging



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### Technical data – depending on size:

Size	0603	0805	1206
Inductance (μH)	0.1 ... 2.7	0.1 ... 8.2	0.1 ... 27.0
Tolerance %	10/20/30	10/20/30	10/20/30
Measuring frequency (MHz)	50 / 1.0	50 / 0,5	35 / 0.5
Max. DC-resistance (Ohm)	0.05 / 3.35	0.07 / 5.4	0.05 / 12.7
Max. DC-current (mA/85°C)	600 / 250	600 / 300	1000 / 220

Data preliminary – in evaluation

Detailed data for required inductance and data-table for standard values on request.

### General technical data:

Temperature range	-55°C ... +125°C
Climatic category to DIN IEC 68	25/125/56
Solderability <sup>1)</sup>	235°C 2s
Maximum soldering temperature <sup>2)</sup>	260°C 10s
Soldering process	Reflow, vapor phase
Marking	Inductivity and tolerance on packing

<sup>1)</sup> DIN IEC 68 T2-20, Ta Meth.1

<sup>2)</sup> DIN IEC 68 T2-20, Tb Meth. 2

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