

## Miniature SMT-Coils

Type: CCK

Sizes: 0603, 0805, 1206

### Features:

- SMT-coils on Alumina-core for high frequency applications
- High values of inductivity by precision winding technique
- High Q-values and high self resonant frequency
- Contact areas with solderable metalisation (conductive glueing possible)

### 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, H = Hight, C = Contact length (mm)

Drawings for detailed dimensions  
and recommended solder pads on request

Moulded version in preparation

### Packaging:

Bulk in plastic bags or tubes – minimum quantity 100 pieces

Tape/Reel according DIN IEC 283-3/EIA 481-1-A – minimum quantity 1000 pieces

### Inquiry and ordering data:

Required data:

Size  
Inductivity  
Tolerance  
Packaging

Optional data:

Measuring frequency  
Q-value  
DC-current  
DC-resistance

# SRT Resistor Technology

## Miniature SMT-Coils

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### Technical data – depending on size:

Size	0603	0805	1206
Inductance (nH)	1.0 ... 600	1.4 ... 1800	2.2 ... 6800
Tolerance	5/10/20 %	5/10/20 %	5/10/20 %
Minimum Q-factor	16/40	30/50	25/40
Measuring frequency (MHz)	250/100	250/50	100/10
Maximum DC-resistance (Ohm)	0.05/3.35	0.07/5.4	0.05/12.7
Maximum DC-current (mA/85°C)	600/250	600/300	1000/220

Datatable and diagrams of standard values on request

Other inductivity values and special properties on agreement

### General technical data:

Temperature range	- 55 ... + 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, vapour phase
Marking	Induction value and tolerance on packing

1) DIN IEC 68 T2-20, Ta Meth. 1

2) DIN IEC 68 T2-20, Tb Meth. 1A

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