



Miniature-Chip-Coils

Type: CCF

Sizes: 0603, 0805, 1206

Features:

- Wire-wounded 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



BREL Precision Components, Inc.
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Website: www.brelintl.com
Issue: April-2001



Miniature-Chip-Coils

Type: CCF

Sizes: 0603, 0805, 1206

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 ¹⁾	235°C 2s
Maximum soldering temperature ²⁾	260°C 10s
Soldering process	Reflow, vapor phase
Marking	Inductivity and tolerance on packing

¹⁾ DIN IEC 68 T2-20, Ta Meth.1

²⁾ DIN IEC 68 T2-20, Tb Meth. 2

Issue 10/99-1



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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

Type: CCK

Sizes: 0603, 0805, 1206

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 ¹⁾	235°C 2s
Maximum soldering temperature ²⁾	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

Issue: 03/99