

Miniature-Chip-Coils

Type: CCK

Sizes: 0603, 0805, 1206

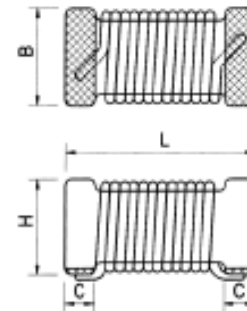
Features:

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

Sizes/Dimensions:

Size	L	B	H	C
0603	1.55 ±0.1	0.75 ±0.05	0.8 ±0.1	0.3 ±0.1
0805	2.05 ±0.1	1.25 ±0.05	1.3 ±0.1	0.45 ±0.05
1206	3.2 ±0.1	1.6 ±0.05	1.25 ±0.1	0.5 ±0.1

L = Length, B = Width, D = Height, C = Contact Length (in mm)



Packaging:

Bulk in plastic bags – minimum quantity 100 pcs
Tape according IEC 60286-3 – minimum quantity 1000 pieces per value
Reel diameter 180 mm or 330 mm

Ordering Data:

Required data
Type –size – inductance – tolerance – packaging
Example: CCK 0805 1.4nH ±10% tape 180 mm

Optional data
Measuring frequency / Q-factor / DC -resistance, -current



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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	2/5/10/20%	2/5/10/20%	2/5/10/20%
Minimum Q-factor	16/40	30/50	25/40
Measuring frequency (MHz)	250 / 100	250 / 50	100 / 10
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

Details see datatable.

Other inductivity values and special properties on agreement.

General technical data:

Temperature range	-55°C ... +125°C
Climatic category acc to DIN EN 60068-1	55/125/56
Solderability acc. DIN EN 60068-2-58 (lead-free and lead-containing)	250°C 3s
Max. soldering temperature acc. DIN EN 60068-2-58	260°C 10s
Soldering process	Reflow, vapor phase
Marking	Inductivity and tolerance on packing



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