

FEATURES



- Compatible with WPC Qi Standard,
- Operating temperature -40°C to +85°C
- Assembled with thin and flexible sintered ferrite sheet
- Optimized Q for highest possible charging efficiency

APPLICATIONS

- Mobile phones
- Hand-held electronic devices
- Battery pack or any devices that need contactless power

ELECTRICAL PERFORMANCE

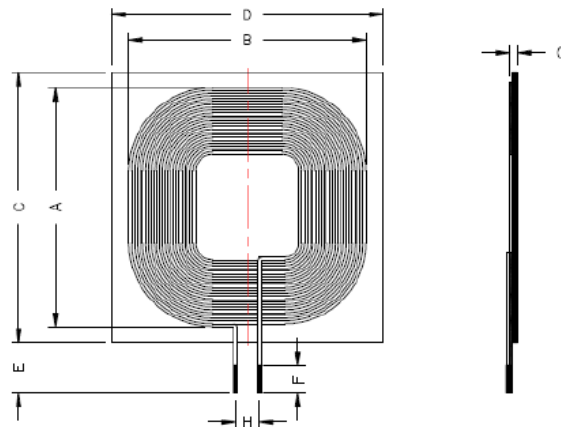
PART NUMBER	L (μH) @ 100KHz	Q @100KHz Min	DCR (mΩ) Max
SWC4242KB120-100	12.5 ± 10%	20	240

1. Inductance tested at 100KHz, 1V
2. Operating temperature range: -40°C ~ +85°C (Including self-heating)
3. Storage temperature range (packaging conditions): -10°C ~ +40°C and RH 70%(MAX)

SHAPES AND DIMENSIONS

Unit:mm

PART NUMBER	A	B	C	D	G
SWC4242KB120-100	38.00±1.00	38.00±1.00	42 Max	42 Max	0.7 Max



PART NUMBER SYSTEM EXAMPLE

<u>SWC</u>	<u>4242</u>	<u>KB</u>	<u>120</u>	-	<u>100</u>
Coil Type	Part Size Code	Height Code	Inductance Code		Catalog or Custom Information

USA: +1.423.308.1690
Europe: +42.0.4885.7511.1
Asia: +86.757.2563.8860

MCP-DS-WPC RX REV1.4 1114

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