



FEATURES



- Designed to meet WPC Qi Standard, power transmitter design A6 compliant
- Consists of linear array of primary coils, increased active charging area
- Operating temperature -40°C to +125°C
- Assembled with ferrite plate which is built with WPC listed ferrite material, high Q for maximum power transmission

APPLICATIONS

- Wireless charger for general electronic device or aftermarket accessories
- Wireless charger for office, residential or public area application
- Wireless charger for power tools or any other devices that need contactless power
- Wireless charging embedded solution for automobile central console, arm rest...etc

ELECTRICAL SPECIFICATIONS

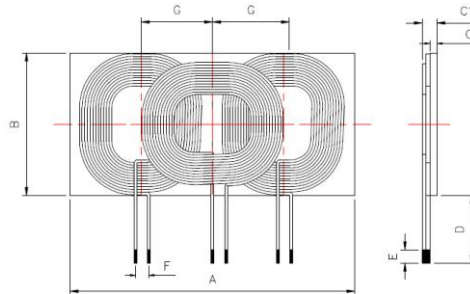
PART NUMBER	INDUCTANCE ($\mu\text{H} \pm 10\%$) BOTTOM COIL/TOP COIL			DCR Max (m Ω)	Q @ 100 kHz/1V (MIN)
	MIN	NOM	MAX		
SWC10056AA120-500	11.25/ 10.35	12.50/ 11.50	13.75/ 12.65	65	90

1. Inductance tested at 100KHz, 1V
2. Operating temperature range: -40°C ~ +125°C (Including self-heating)
3. Storage temperature range (packaging conditions): -10°C ~ +40°C and RH 70%(MAX)

SHAPES AND DIMENSIONS

Unit:mm

A	B	C	C1	D	E	F	G
100.00	56.00	1.10	4.50	15.00	5.00	5.00	24.60
± 1.50	± 0.80	± 0.10	Max.	Min.	± 2.00	Ref.	Ref.



PART NUMBER SYSTEM EXAMPLE

<u>SWC</u>	<u>10056</u>	<u>AA</u>	<u>120</u>	-	<u>500</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 A6 Multiple REV1.2 1014

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