

FEATURES



- Designed to meet WPC Qi Standard, power transmitter design A11 compliant
- 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

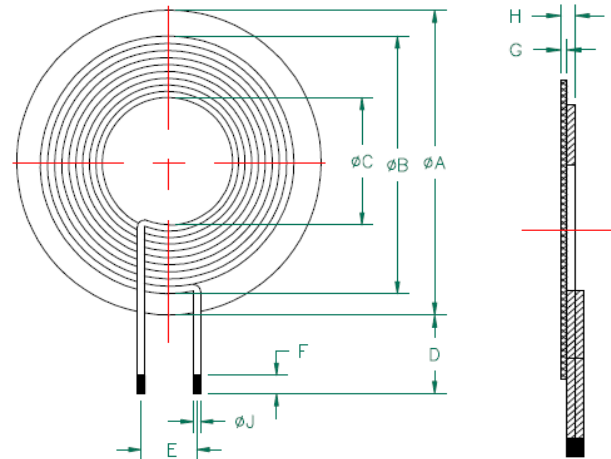
PART NUMBER	INDUCTANCE ($\mu\text{H} \pm 10\%$)			DCR Max (m Ω)	Q @ 100 KHz/1V (MIN)
	MIN	NOM	MAX		
RWC5050AK060-500	5.85	6.50	7.15	50	70

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
50.00 \pm 0.50	44.00 \pm 1.50	20.50 \pm 0.50
D	E	F
17.00 Min.	10.00 Ref.	5.00 \pm 2.00
G	H	J
1.00 \pm 0.10	3.00 Max.	1.20 Ref.



PART NUMBER SYSTEM EXAMPLE

<u>RWC</u>	<u>5050</u>	<u>AK</u>	<u>060</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 A11 REV1.0 1213

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