



FEATURES



- Designed to meet WPC Qi Standard, power transmitter design A1 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

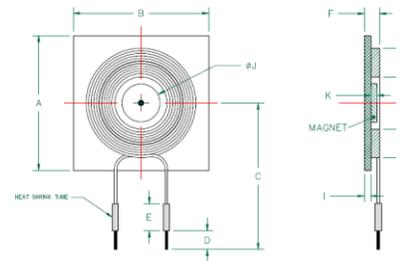
PART NUMBER	INDUCTANCE ($\mu\text{H} \pm 10\%$)			DCR Max (m Ω)	Q @ 100 KHz/1V (MIN)	SATURATION CURRENT (A) MAX	RMS CURRENT (A) MAX
	MIN	NOM	MAX				
RWC5353EJ240-500	21.6	24.0	26.4	75	90	10.0	5.5
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- Inductance tested at 100KHz,1V
- Operating temperature range: -40°C ~ +125°C (Including self-heating)
- Storage temperature range (packaging conditions): -10°C ~ +40°C and RH 70%(MAX)
- Unless otherwise specified, the standard atmospheric conditions for measurement/test as:
 - A. Ambient temperature: 20°C±15°C
 - B. Relative humidity: 65%±20%
- Definition of saturation current (ISAT): DC current at which the inductance drops <= 10% from its value without current.
- Definition of temperature rise current (IRMS): DC current that causes the temperature rise ($\Delta T \leq 40\%$) from 20°C ambient.

SHAPES AND DIMENSIONS

Unit:mm

PART NUMBER	A	B	C
RWC5353EJ240-500	53.00±0.50	53.00±0.50	57.5 Typ.
RWC5353EJ240-501			
PART NUMBER	D	E	F
RWC5353EJ240-500	10.00±2.00	10.0 Typ.	6.7 Max
RWC5353EJ240-501			
PART NUMBER	G	H	I
RWC5353EJ240-500	43.00±1.00	20.50±1.00	2.50±0.40
RWC5353EJ240-501			
PART NUMBER	J	K	
RWC5353EJ240-500	15.00±0.50	2.50±0.50	
RWC5353EJ240-501	/	/	



PART NUMBER SYSTEM EXAMPLE

<u>RWC</u>	<u>5353</u>	<u>EJ</u>	<u>240</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 A1 REV1.1 0414

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