

Wireless Charging Transmitter Coil Assembly for Wearables and Small Electronic Device



FEATURES



- Assembled with 3D-shaped ferrite shielding and Litz coil
- For low power application (up to 1.5A or 5W)
- Compatible with tightly coupled charging standard (e.g., WPC)
- Wide operating temperature -40°C to +85°C

APPLICATIONS

- Wireless power transmitter for wearables, electronic gadgets, smart car keys (FOB), small medical devices that requires contactless charging for convenience, hygiene or water proof
- General low power wireless charging applications requires contoured ferrite for better efficiency in limited space

ELECTRICAL SPECIFICATIONS

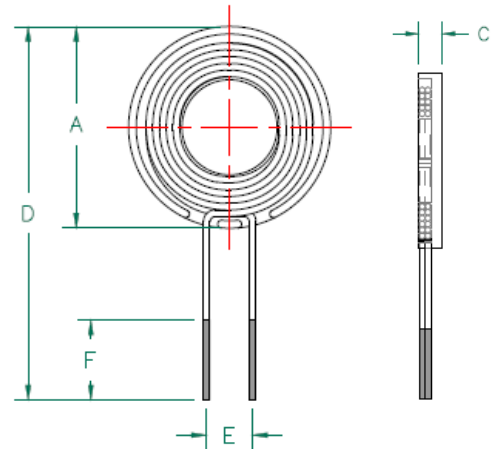
PART NUMBER	INDUCTANCE (μH)			DCR Max (mΩ)
	MIN	NOM	MAX	
RWC2727AH070-300	5.00	5.50	6.00	48.3

1. Inductance tested at 200KHz, 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

A	C	D
27.00±0.40	4.20 Max.	49.36±3.00
E	F	
7.00 Typ.	10.00±2.00	



PART NUMBER SYSTEM EXAMPLE

<u>RWC</u>	<u>2727</u>	<u>AH</u>	<u>070</u>	-	<u>300</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 TX COIL ASSEMBLY MODULE 102816

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