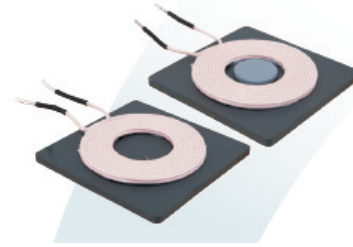


WPC A1 Wireless Charging Module RWC5353 Series

FEATURES

- Designed to meet WPC Qi standard, power transmitter design A1 compliant
- Center magnet as alignment aid, is available and optional for customer
- Designed for extended operating temperature -40°C to 85°C
- High Q factor for maximum wireless charging efficiency



APPLICATIONS

- Wireless charger transmitter (TX) up to 5 Watts application

ELECTRICAL SPECIFICATIONS

PART NO.	INDUCTANCE ($\mu\text{H} \pm 10\%$)			DCR Max ($\text{m}\Omega$)	Q @ 100 KHZ/1V (MIN)	SATURATION CURRENT (A) MAX	RMS CURRENT (A) MAX
	NOM	MIN	MAX				
RWC5353EJ240-500	24.0	21.6	26.4	75	90	10.0	5.5
RWC5353EJ240-501	24.0	21.6	26.4	75	90	10.0	5.5

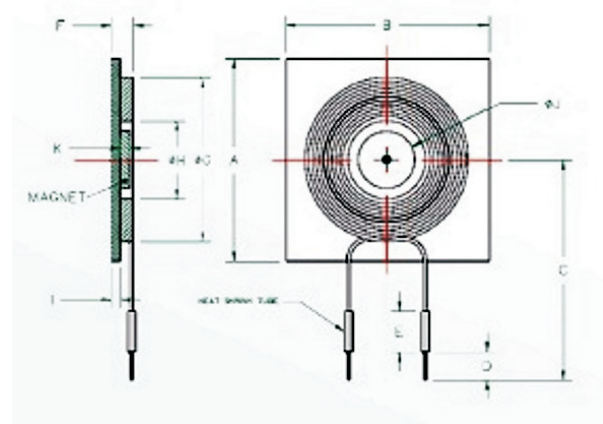
1. Inductance tested at 100KHz, 1V
2. Operating temperature range: -40°C to +125°C (including self-heating)
3. Storage temperature range (packaging conditions): -10°C to +40°C and RH 70% (MAX.)
4. Unless otherwise specified, the standard atmospheric conditions for measurement/test as:
 - A. Ambient temperature: 20°C \pm 15°C
 - B. Relative humidity: 65% \pm 20%
5. Definition of saturation current (ISAT): DC current at which the inductance drops $\leq 10\%$ from its value without current.
6. Definition of temperature rise current (IRMS): DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 20°C ambient.

SHAPES AND DIMENSIONS

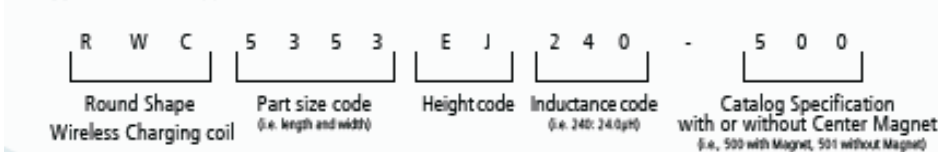
PART NO.	A	B	C	D
RWC5353EJ240-500	53.0 \pm 0.5	53.0 \pm 0.5	57.5 Typ.	10.0 \pm 2.0
RWC5353EJ240-501				

PART NO.	E	F	G	H
RWC5353EJ240-500	10.0 Typ.	6.7 Max	43.0 \pm 1.0	20.5 \pm 1.0
RWC5353EJ240-501				

PART NO.	I	J	K
RWC5353EJ240-500	2.5 \pm 0.4	15.0 \pm 0.5	2.5 \pm 0.5
RWC5353EJ240-501		/	/



PART NUMBER EXAMPLE





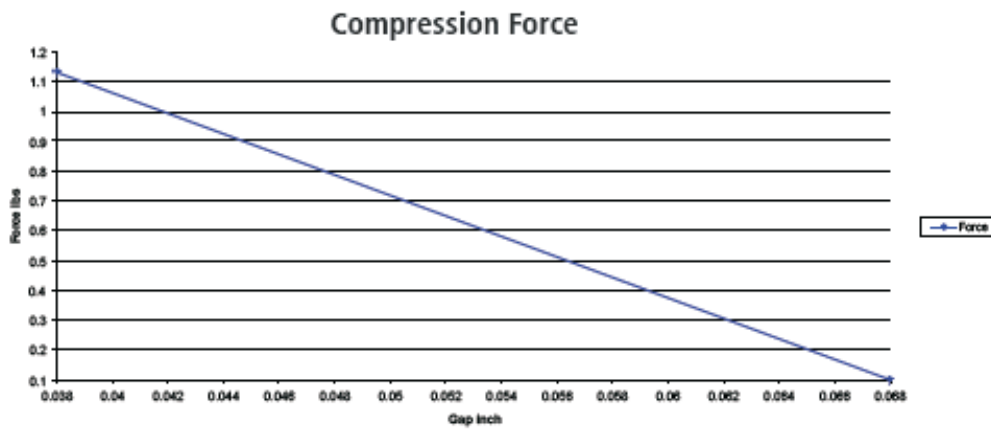
FINGERSTOCK GASKETS AND METAL GROUNDING PRODUCTS

Laird introduces the Edge Guide clip-on, specifically designed to offer excellent grounding and/or shielding contact from the PCB to a card guide on a rack or housing inside electronics. The unique snap-in feature of the contact fingers prevents any potential snagging, allowing for bi-directional sliding contact along the edges. Low compression forces allow for easy installation of the card.

The strip version reduces the total installation and labour costs compared to single clips.

FEATURES/BENEFITS

- Edge Guide clip-on strips are RoHS compliant
- Easy to install onto Printed Circuit Boards
- Low compression force
- Provides for bi-directional wiping that eliminates snagging
- Customizable length options
- High-performance beryllium copper can be plated with a wide variety of finishes for galvanic compatibility



Recommended Gap in inches	Force Lbs. (N)
.065 in (1.65 mm)	0.10 lbs (0.44 N)
.038 in (0.97 mm)	1.13 lbs (5.03 N)
.035 in (0.89 mm)	1.33 lbs (5.92 N) <i>Not recommended</i>

Application Guidelines Part No: 97-0981-02

