

# Wireless Charging Receiver Module For 15 Watts Medium Power Litz Coil Version

## FEATURES



- Compatible with WPC Qi Standard
- Operating temperature -40°C to +85°C
- Assembled with litz coil and high flux density metal alloy sheet
- Optimized for mid power (15W) fast wireless charging application on receiver side

## APPLICATIONS

- Smart phone and tablet fast wireless charging
- Wireless charger for general consumer electronics or any other devices that need contactless power



## ELECTRICAL SPECIFICATIONS

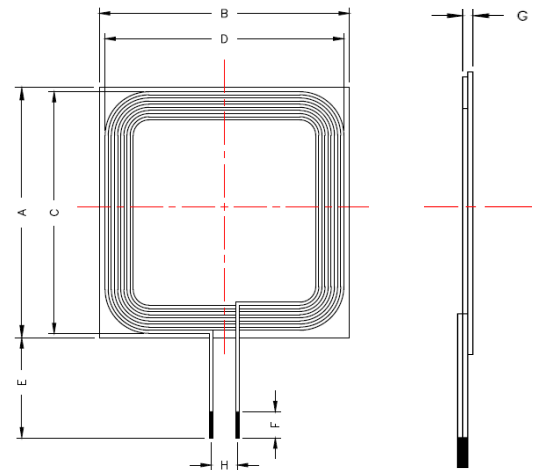
PART NUMBER	INDUCTANCE ( $\mu\text{H} \pm 10\%$ )			DCR Max ( $\text{m}\Omega$ )	RATED CURRENT (A)
	MIN	NOM	MAX		
SWC4848KA100-600	9.00	10.00	11.00	180	2

1. Inductance tested at 100KHz, 0.5V
2. Operating temperature range: -40°C ~ +85°C (Including self-heating)
3. Rated current is DC current that causes the temperature rise ( $\Delta T \leq 10^\circ\text{C}$ ) from 20°C ambient.

## SHAPES AND DIMENSIONS

Unit:mm

<b>A</b>	<b>B</b>	<b>C</b>
48.00 $\pm$ 0.50	48.00 $\pm$ 0.50	46.50 Max.
<b>D</b>	<b>E</b>	<b>F</b>
46.50 Max.	15.00 Min.	5.00 $\pm$ 2.00
<b>G</b>	<b>H</b>	
1.00 Max.	5.00 Ref.	



## PART NUMBER SYSTEM EXAMPLE

<u>SWC</u>	<u>4848</u>	<u>KA</u>	<u>100</u>	-	<u>600</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 15Watt Coil 0216

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2016 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights. Version A01