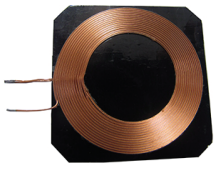
Wireless Charging Coil Assembly



36 x 36 x 0.8 mm

AWCCA-36R36H08-C51-B

RoHS / RoHS II Compliant

Moisture Sensitivity Level (MSL) – MSL = 1

FEATURES:

- Wireless Charging Receiver single Coil (12µH)
- Outline Dimensions: 36.0mm x 36.0mm x 0.8mm
- For Rx applications
- High permeability shielding to protect sensitive electronics
- Durable construction
- RoHS / RoHS II Compliant & Pb free.

APPLICATIONS:

- Batteries and Battery Chargers
- Consumer Electronics
- Smart Watches
- Digital Cameras and Camcorders
- Wireless Charging Stations
- Mobile Phones & Charging Accessories
- Power Supplies
- Power Tool Manufacturers

DESCRIPTION & KEY ELECTRICAL SPECIFICATIONS

The AWCCA-36R36H08-C51-B is a Wireless Charging Coils that can be used in receive applications. This is a single coil design with inductance of 12µH.

Maximum Ratings

Item	Value
Operating Temperature Range	T=-25˚C ~ 85˚C, RH≤ 90%.
Storage Temperature Range	-25˚C~85˚C, 70%RH (Max.)

Part Number	Inductance	DC Resistance	Q
AWCCA-36R36H08-C51-B	12 µH ±10%	350 mΩ max	27±30%
Test Condition	100KHz / 1V	20±10˚C	100KHz/1V
Test Environment	Temperature: 20±10˚C, RH: 65% ±20% Equipment: Chroma11025		

Test Conditions

Ambient Temperature: 20±10˚C, RH: 65% ±20%.
If any doubt on the results, measurements/tests should be made within the following limits:
Ambient Temperature: 20±2˚C, RH: 65%±5%

PART IDENTIFICATION:

AWCCA-36R36 H08 - C 51 - B

Height	Feature	Design Code	Packaging
H08 = 0.8mm	C = Coil	51	B: Box

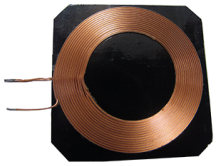
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Visit www.abracon.com for Terms and Conditions of Sale

Wireless Charging Coil Assembly

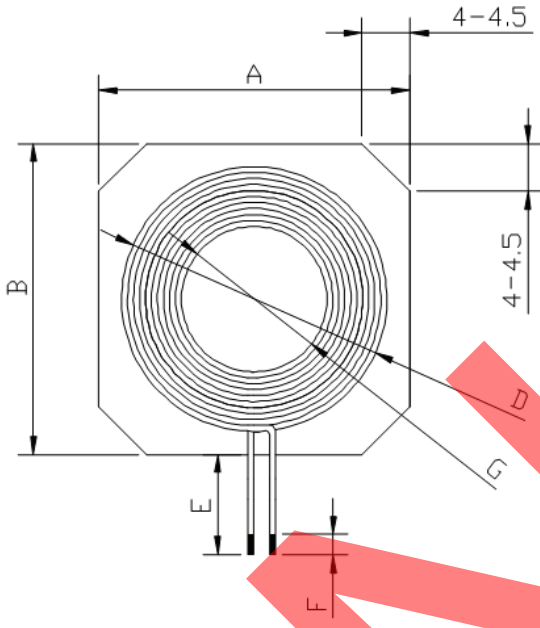
AWCCA-36R36H08-C51-B

RoHS / RoHS II Compliant



36 x 36 x 0.8 mm

OUTLINE DIMENSIONS:



Item	A	B	C	D	E	F	G
Spec	36+/-0.5	36+/-0.5	0.8 Max	35 Max	10+/-1	2+/-1	21 Ref

Winding Specifications

Number of Coils	Wire	Number of Turns	Inductance
1	φ0.25*2p	13 Turns,1 Layer	12.0±10%μH

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Wave Soldering Profile: Not suitable for wave soldering

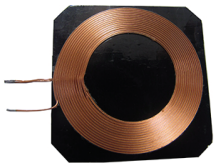
Manual Soldering: 350˚C Max, 3secs

Packaging: Box, 100pcs MOQ

Wireless Charging Coil Assembly

AWCCA-36R36H08-C51-B

RoHS / RoHS II Compliant



36 x 36 x 0.8 mm

STORAGE AND OPERATIONAL CONDITION:

Storage condition

- Recommended storage conditions: -25˚C~85˚C, 70%RH (Max.)
- Service life: Within the limits of six month from being produced.
- The appearance and solder ability should be check, if product is not in expiry date.

Operation Conditions

- Use condition limit: T=-25˚C ~ 85˚C, RH≤ 90%.

NOTE:

i) The parts are manufactured in accordance with this specification. If other conditions and specifications which are required for this specification, please contact ABRACON for more information.

ii) ABRACON will supply the parts in accordance with this specification unless we receive a written request to modify prior to an order placement.

iii) In no case shall ABRACON be liable for any product failure from in appropriate handling or operation of the item beyond the scope of this specification.

iv) When changing your production process, please notify ABRACON immediately.

v) ABRACON LLC's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. ABRACON's products are not specifically designed for Military, Aviation, Aerospace, Lifedependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written conset and authorization from ABRACON LLC is required. Please contact ABRACON LLC for more information.

vi) All specifications and Marking will be subject to change without notice.

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