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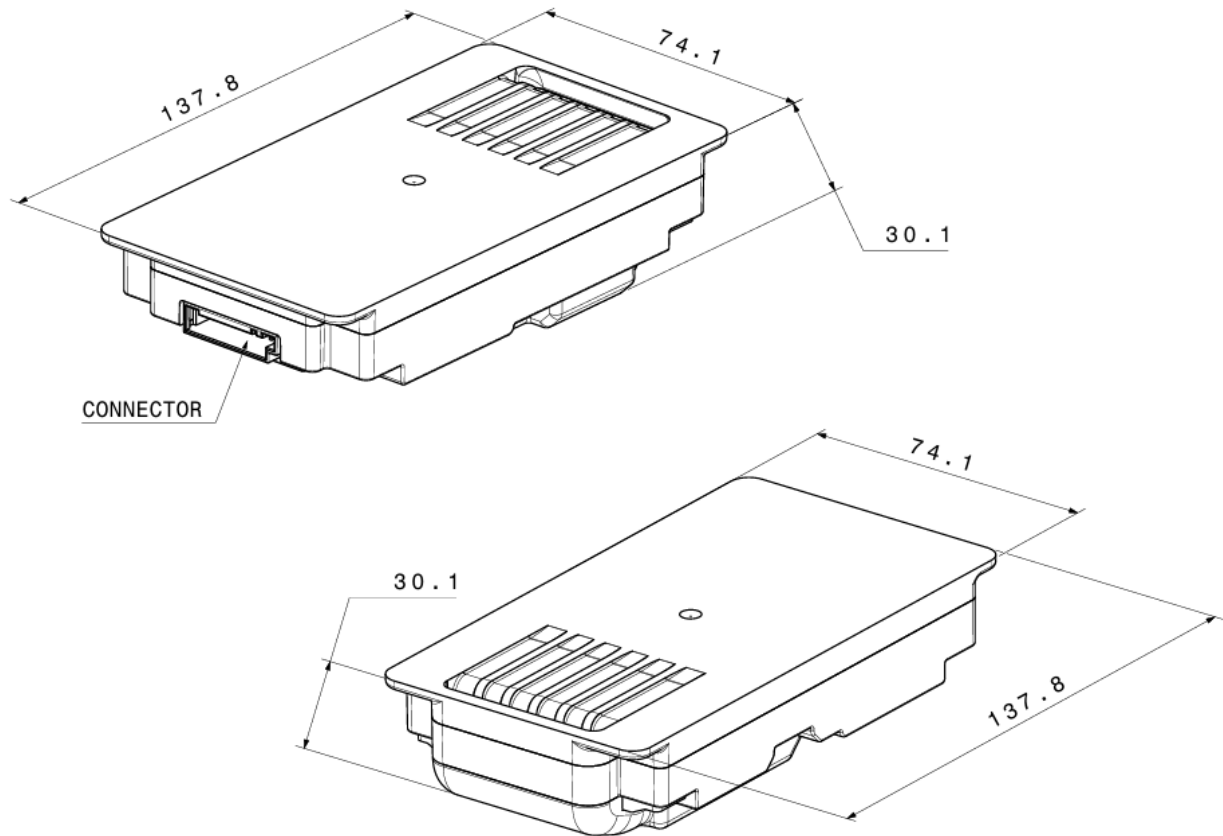
AWC W58Q0 – User Manual

Date: 17-Dec-2025

Device Details:

Device Name	: CHARGER, WIRELESS
Type No./ Model No.	: W58Q0

1. Charger Module



2. Product Information

The Automotive Wireless Charger (AWC) system shall use Electromagnetic Induction method to charge the devices wirelessly. The wireless charger charges only the Qi-compliant mobile phones. Read the mobile phone user manual or visit your mobile phone manufacturer's website to check whether your mobile phone is Qi-compliant and support Qi Wireless Charging.

2.1 Electrical Characteristics

Technology	Wireless Power Charging
Operated Voltage Range	6 V – 16 V
Nominal Voltage	12 VDC
Output Power (At receiver device)	5W At 6V -9V 15W At 9V - 16V
Stand by Current	≤ 50 mA
Max Current Consumption	3 A
Typical Current	~ 2 A
Dark Current	≤ 1 mA
Inrush Current	4.5A for 5ms
Operating Frequency	127 ± 10 KHz
ACC Current	100 mA (MAX)
Qi Version	1.3.3
Maximum EIRP	32.31 dBuA/m at 3 m distance

2.2 Temperature Characteristics

Item	Specification
Operating Temperature Range	-40 °C to 80°C
Storage Temperature Range	-40 °C to 85 °C

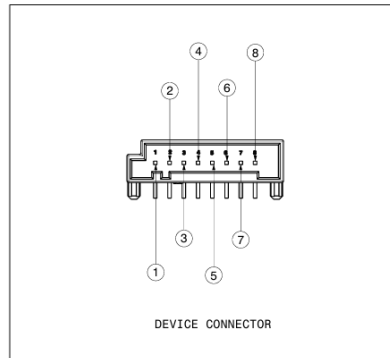
2.3 General Characteristics

Item	Specification
Weight	240 g
Compatible Devices	Qi Compliant receiver devices

Manufactured by:

Uno Minda Ltd. (Controller Division)
First Floor, Gat No. 427/5, 427/10,
Village Mahalunge Tal. Khed,
Dist. Pune, Maharashtra –410501, INDIA.

3. Connector Details



Pin No/Wiring Colour	Description	Signal
1 – Red	Batt+	12 V Supply Positive
2- Purple	ACC	12V
3 - Yellow	CAN H	CAN Signal
4 -Green	CAN L	CAN Signal
5	NC	
6	NC	
7	NC	
8 - Black	Gnd	12 V Supply Negative

4. User Instructions

1. To Start Wireless charging, clear all objects from the wireless charging pad including Key FOB.
2. Place the mobile phone into the wireless charger charging area and make sure it is aligned properly to the centre of the charging area.
3. Align the mobile phone to the centre of wireless charging pad if wireless charging is not initiated after mobile phone placement.



5. Warning Statements

Observe the following precautions. Failure to do so may result in the possibility of equipment failure or damage, or burns due to heat.

- a) Presence of metal objects on charging pad during charging may result in heating/safety issue.
- b) Wireless charging may be interrupted due to abnormal temperature level in the mobile phone. Remove the mobile phone from the wireless charging pad and wait till the mobile phone temperature reaches to optimum level for wireless charging.
- c) Do not place Credit Cards, Debit Cards, Access Cards, Data Storage cards, or other objects sensitive to Electromagnetic fields on the wireless charging pad. They may get damaged by electromagnetic fields of wireless charger.
- d) Do not disassemble, modify or remove the wireless charger.
- e) If liquids enter the wireless charging pad, the charging pad may get damaged.
- f) Do not place an NFC card near or underneath the phone while it is wirelessly charging.

6. Notice

- a) Charging will be suspended temporarily when any door is opened. Charging will resume after the door is closed.
- b) Depending on the type of cover and/or accessory attached, it may not be possible to charge the mobile phones. If the mobile phone is placed in the charging area and does not charge, remove the cover and/or accessories.
- c) Objects including Key FOB may interrupt the wireless charging if placed along with the mobile phone on wireless charging pad.
- d) In the following situations, the wireless charger may not operate correctly:
 - When the mobile phone is fully charged.
 - When the mobile phone becomes hot while charging.
 - When the ambient temperature is high.
 - When the mobile phone is not centred on the charging area.
 - When there is a foreign object between the charging area and the mobile phone.
 - I. Cards (ATM, ID, RFID & SIM etc.)
 - II. Gum wrapper (aluminium foil)

- III. Hair Clip
- IV. Coins
- V. Metal Washers
- VI. Metal Bracelet
- VII. Paper clip
- VIII. Earrings
- IX. Small screws
- X. Key, keying, smart key etc.

7. Compliance Statements

A. FCC §15.19 Labelling Requirement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Product Name : CHARGER,WIRELESS

Model number: W58Q0

Suppliers Name: Uno Minda

Suppliers Address (USA): 18400 W. 12 Mile Road, Southfield, Michigan, 48076 - USA.

Suppliers Website: www.unominda.com

Contact Email/Telephone: Cjones.ext@unominda.com / +1248-752-7602

B. FCC §15.21 Information to user

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

C. FCC §15.105(b) Warning Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by the following measures:

- Consult the dealer or an experienced technician for help.
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

D. RF Warning Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.