

PRELIMINARY




SPECIFICATION

CUSTOMER	飞利浦
PRODUCT DESCRIPTION	WIRELESS CHARGING COIL ASSEMBLY
Sunlord P/N	MQQTC505025E6R3Y01
CUSTOMER P/N	

[☒ New Released, ☐ Revised]SPEC No.: MQQ170009

【This SPEC is total 4 pages】


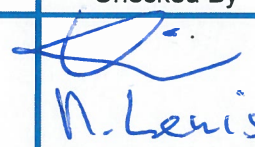
【RoHS Compliant Parts】

Approved By	Checked By	Issued By
		

Shenzhen Sunlord Electronics Co., Ltd.

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【For Customer approval Only】Date: 2-8-2017Qualification Status: ☒ Full ☐ Restricted ☐ Rejected

Approved By	Verified By	Re-checked By	Checked By
	R. de Groot		 N. Lewis

Comments:

【Change History】

Rev.	Effective Date	Changed Contents	Change reasons	Approved By
01	May.04, 2017	New release	/	Qintian Hou
02	Jun.06, 2017	Add the Note of concentricity requirement	Customer required	Qintian Hou
03	Jun.16, 2017	Dimension A change to 50 ± 0.6 mm	Customer required	Qintian Hou

1. Scope

This specification is applied to the Wireless Charging Coil Assembly MQQTC505025E6R3Y01

2. Product Identification (Part Number)

1) Product Identification (Part Number)

MQ Q T C 505025 E 6R3 Y01
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Product	
MQ	Wireless Charging Coil Assembly

② Type	
Q	Q: induction A: Resonance M: Multi mode

③ Location	
T	T: Transmitter R: Receiver

④ Shape	
C	C: Circle R: Rectangle E: Else Shape

⑤ External Dimensions	
505025	External dimensions is 54X46X2.5mm

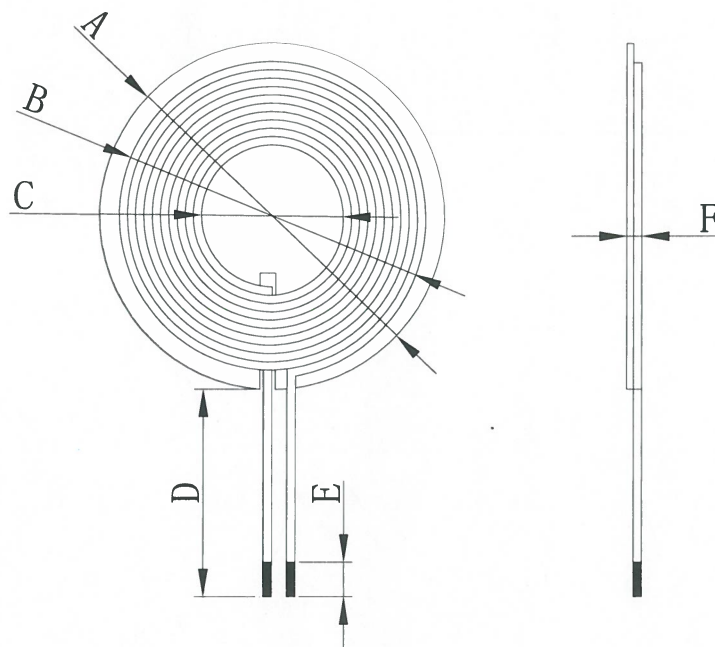
⑥ Ferrite Feature type	
E	S: Thin sheet T: Central boss E: Else Shape

⑦ Inductance	
6R3	6.3uH

⑧ Serial number	
Y01	Y01~Y99

3. Shape and Dimensions (Unit: mm)

ITEM	A	B	C	D	E	F
SPEC.	50±0.6	44 MAX	20.5±0.5	30±2	5±2	2.5REF



Note: The concentricity of coil and ferrite should be less than 0.2mm

4. Winding specification

Coil number	Wire	TURNS
1	0.08*105	10

5. Electrical Characteristics

ITEM	SPEC.	CONDITION	TEST EQUIPMENT
INDUCTANCE	$6.3 \mu H \pm 10\%$	100KHz/1V	Agilent E4980A
DCR	$38 \pm 20\%$	$20 \pm 10^\circ C$	HIOKI 3540

Test Condition: Ambient Temperature : $20 \pm 10^\circ C$, RH:65% $\pm 20\%$.

If any doubt on the results, measurements/tests should be made within the following limits:

Ambient Temperature: $20 \pm 2^\circ C$, RH:65% $\pm 5\%$

6. Storage and Use condition

6.1 Storage condition

Recommended storage conditions: $-25^\circ C \sim 85^\circ C$, 70%RH (Max.)

Storage life : Within the limits of six month from being produced.

The appearance and solderability should be checked, If product is not in storage date.

6.2 Use condition

Use condition limit: $T = -25^\circ C \sim 85^\circ C$, RH $\leq 90\%$.

7. Supplier Information

a) Supplier:

Shenzhen Sunlord Electronics Co., Ltd.

b) Manufacturer:

Shenzhen Sunlord Electronics Co., Ltd.

c) Manufacturing Address:

Sunlord Industrial Park, Dafuyuan Industrial Zone, Guanlan, Shenzhen, China

Zip: 518110