



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

Form No.: QF-1274

Edition: 2

SPECIFICATION FOR APPROVAL

Customer : _____

Customer P/N : _____

Drawing No : _____

WPC TX Type : A11(磁心破L槽版本)

Quantity : 0 Pcs. Date : 2021/7/6

Chilisin P/N : BTWW00505024TXB011

SPECIFICATION ACCEPTED BY:	
COMPONENT ENGINEER	
ELECTRICAL ENGINEER	
MECHANICAL ENGINEER	
APPROVED	
REJECTED	

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Drawn by	Checked by	Approved by
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Revisions

[illegible]

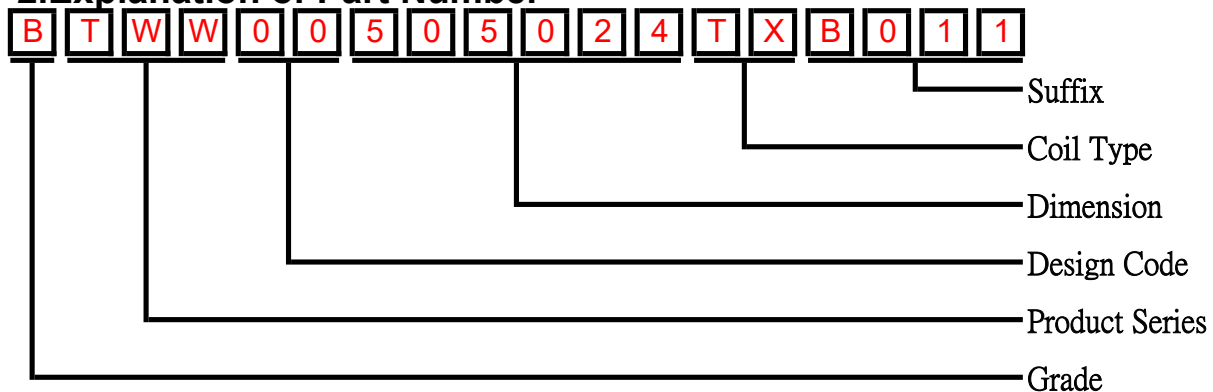


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WPC COIL Series Specification

1.Scope : This specification applies to Wireless charging coil.

2.Explanation of Part Number :



1. Grade : A(Automotive) , B(General)
2. Product Series : TWW(Wirewound WPC Antenna)
3. Design Code : Follow the Customer's setting, default value is 00
4. Dimension : Dimension info ,length, width and height 2 number for each, total 6 number
5. Coil Type : TX(Transmission) , RX(Reception)
6. Suffix : Serials number

3.Rating :

Operating Temperature : -20°C~85°C(Including self - temperature rise)

Storage Temperature : -20°C~85°C 、 50% RH max.

4.Marking :

NO

5.Standard Testing Condition :

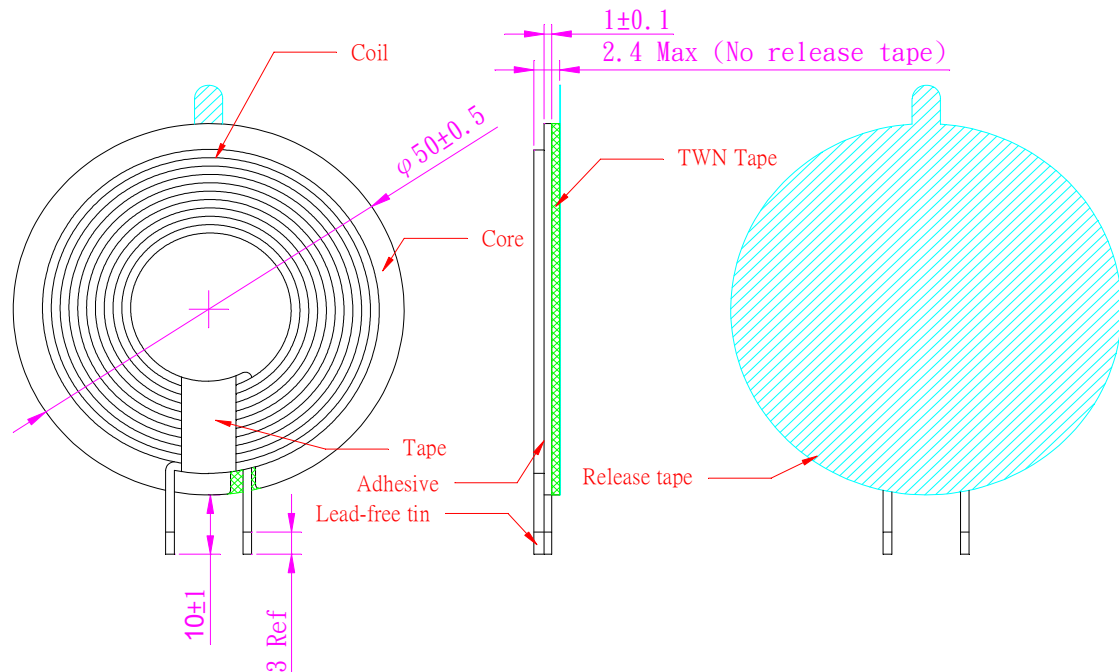
	Unless otherwise specified	In case of doubt
Temperature	Ordinary Temperature(15°C to 35°C)	20°C to 30°C
Humidity	Ordinary Humidity(25% to 70% RH)	50% to 70% RH



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Wireless Charging Coil Specification

6.Configuration and Dimensions (mm) :



7.Electrical Characteristics :

Test Item	Specification	Test Condition
Inductance	$6.3\mu\text{H} \pm 10\%$	100KHz 、 1V
Q	80 Ref	
DCR	45m Ω Max	@25°C

REMARK :

8.Material List :

NO.	Part	Material
1	Coil	USTC Wire (155°C or Equivalent)
2	Lead-free tin	M20E(Sn99.3% Cu0.7%) or Equivalent
3	Core	Mn-Zn PC95 ($\phi 50\text{mm} \times 1.0\text{mm}$)
4	TWN Tape	Double side tape
5	ADHESIVE	ADHESIVE
6	TAPE	Insulating tapes