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WPC Coil
MP-A9-WPC

SWW450N



Features & Applications:

- *Qi standard MP-A9 TX coil*
- *Size: 106mm*57mm*
- *Height: 4.5mm Max*
- *Adhesive mount*
- *Compliance with RoHS and Halogen Free.*
- *Consumer Electronics, Home Appliances, Automotive Industry, Medical Devices, Industrial Applications, Public Facilities, Education and Office.*

Electrical specifications @ 25° C – Operating Temperatures – 40°C to +85°C					
MP-A9					
WPC type	**Inductance(uH) (Two bottom coils)**	**Inductance(uH) (Top coil)**	**DCR**	**Q (All coil)**	**Testing Environment**
MP-A9	10.2+/-10%	9.8+/-10%	65mΩ Max	90Min	125KHZ/10mA

Mechanical Specifications				
Orderable PN:SWW450N				
Size (mm)	**Weight (g)**	**Wire Spec**	**Top coil**	**Bottom coil (2X)**
106 x 57 x 4.5Max	34.5	0.06mm*200 copper wire 42 AWG	12turns/Single layer	11turns/Single layer

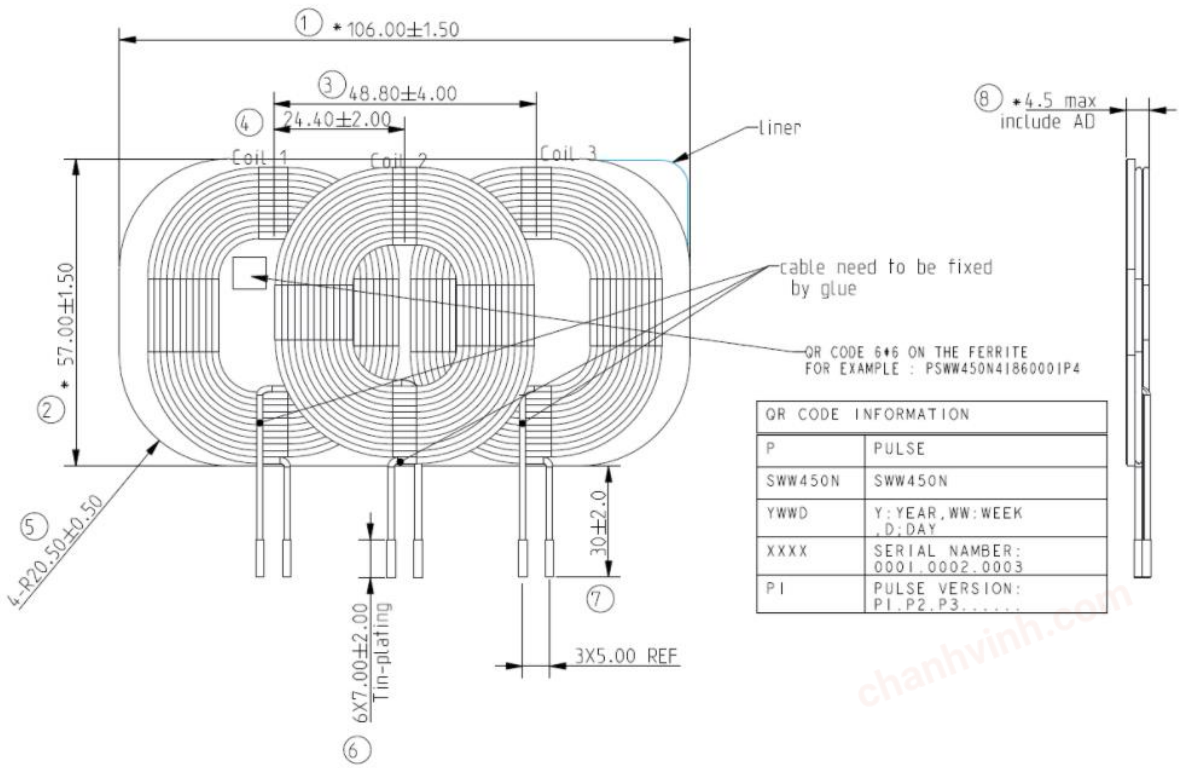
Notes:
1. Storage Temperature: -40°C to +85°C.
2. Operating Temperatures -40°C to +85.
3. All test data is referenced to 25°C ambience.

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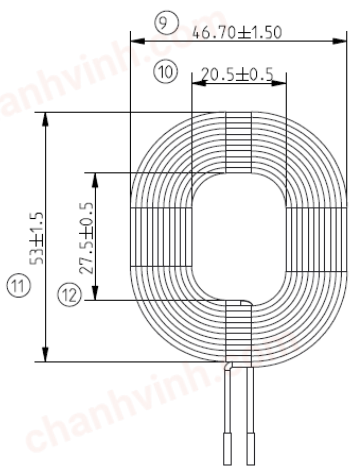
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Mechanical Drawing

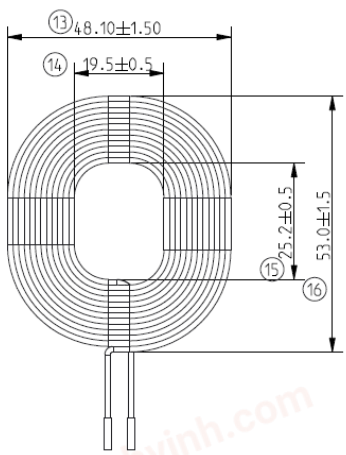
SWW450N



QR CODE INFORMATION	
P	PULSE
SWW450N	SWW450N
YWWD	Y:YEAR,WW:WEEK ,D:DAY
XXXX	SERIAL NAMBER: 0001.0002.0003
PI	PULSE VERSION: PI.P2.P3.....



Coil 1&3
11 turns



Coil 2
12 turns

Dimension Unit: mm

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Electrical specifications

SWW450N

ITEM	SPEC	TOL	TEST FREQUENCY
COIL 1&3	10.2uH	10%	125 kHz/ 10 mA
COIL 2	9.8uH	10%	125 kHz/ 10 mA
Q1=Q2=Q3	90	REF	125 kHz/ 10 mA
DCR 1&2&3	65mΩ	MAX	at 25°C

BOM List

SWW450N

ITEM	Part name	Specification	QTY	Note
1	COIL1&3	200 STRANDS OF 0.06MM COPPER WIRE(42AWG); 11TURNS.	2	
2	COIL 2	200 STRANDS OF 0.06MM COPPER WIRE(42AWG); 12TURNS.	1	
3	FERRITE ASSEMBLY	PET Film on top surface,T=0.05mm +MnZn ferrite(106*57*1.5)mm,thick=1.5mm	1	
4	Glue	The Glue Silicone:704 or other type glue	0.3G	
5	Sn PLATE	LEAD-FREE SOLDER BAR SC07	0.1G	SAC305
6	Double tape adh	T=0.15mm 3M9448A with handle	1	
7	QR code	White PET 6*6mm t=0.1mm	1	

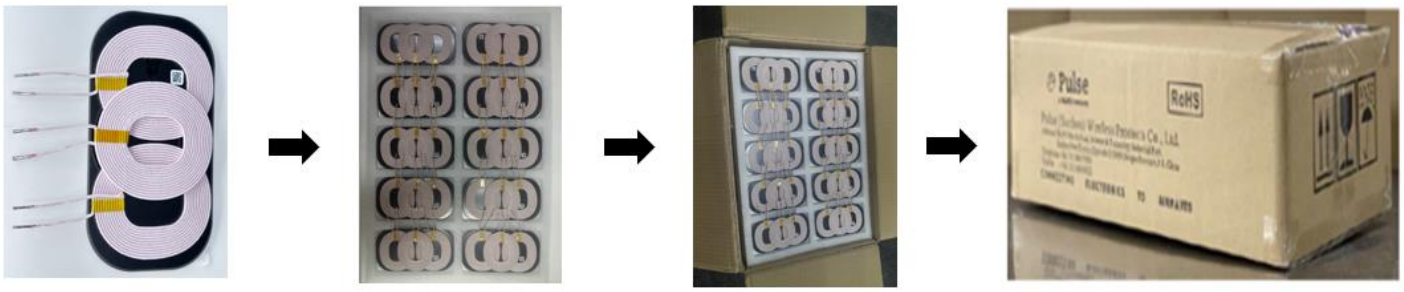
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MP-A9-WPC
SWW450N

Package

SWW450N

10 pc/Tray
10 tray/box
Total 100pcs/box



1pc → 10pc/Tray → 10Tray/Box → 100pc/Box

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For More Information:
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