



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

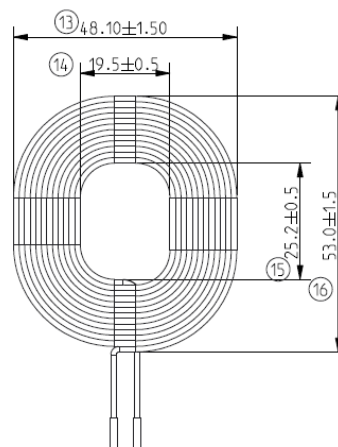
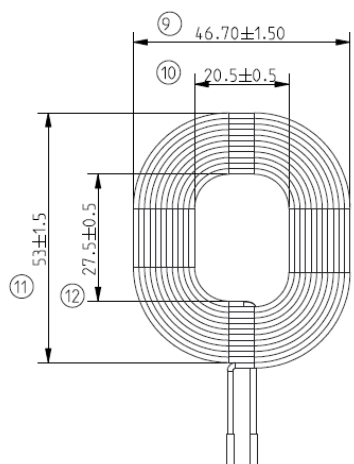
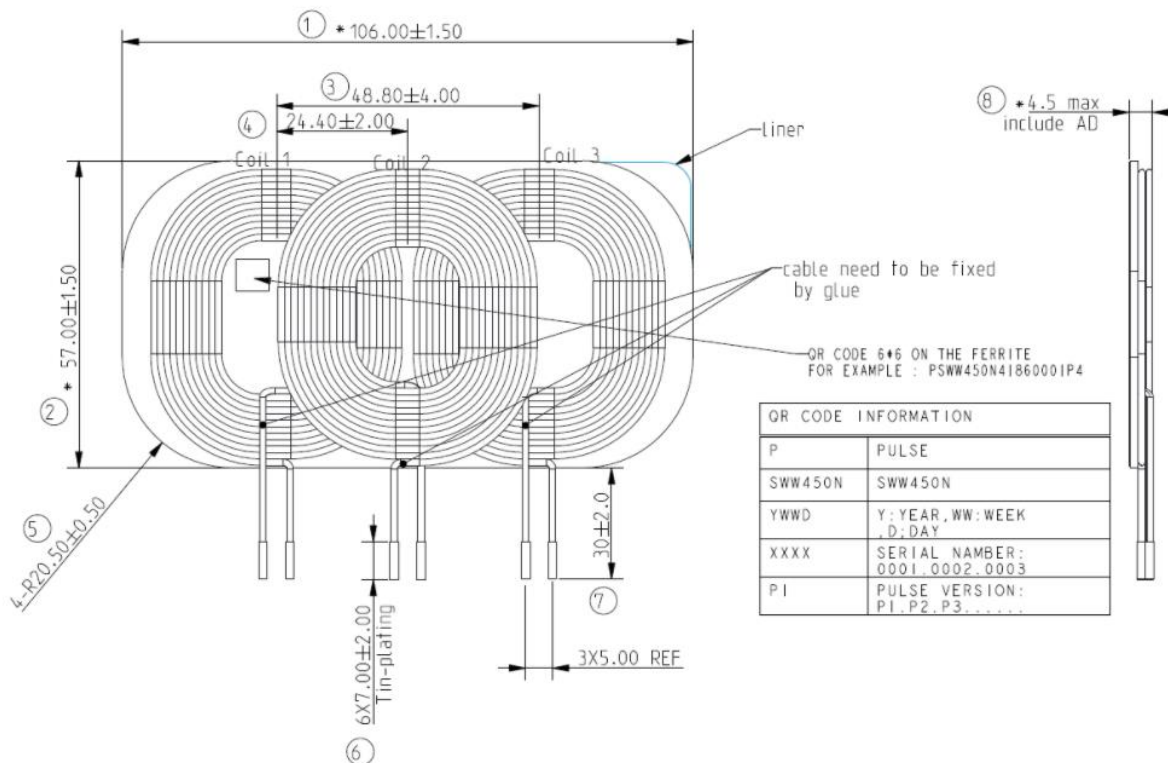
Size (mm)	Weight (g)	Wire Spec	Top coil	Bottom coil (2X)
106 x 57 x 4.5Max	34.5	0.06mm*200 copper wire 42 AWG	12turns/Single layer	11turns/Single layer

Notes:

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

Mechanical Drawing

SWW450N



Dimension Unit: mm

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	

Package

SWW450N

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



1pc



10pc/Tray



10Tray/Box



100pc/Box

For More Information:

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