



Features & Applications:

- Ⓢ Qi standard MP-A13 TX coil
- Ⓢ Size: 91.8mm*55mm
- Ⓢ Height: 4.25mm 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

MP-A13-COIL

WPC type	Inductance(uH) (Two bottom coils)	Inductance(uH) (Top coil)	Rdc(mΩ)	Idc(A)	Q (ALL coil)	Testing Environment
MP-A13	12.5+/-10%	11.5+/-10%	65Max	7.0Max	84Min	100KHZ/1V

Mechanical Specifications

Orderable PN: SWW451N

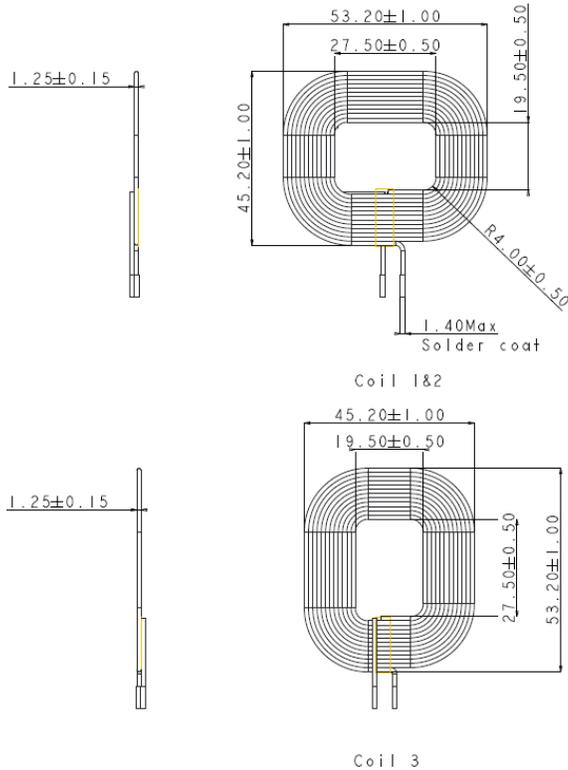
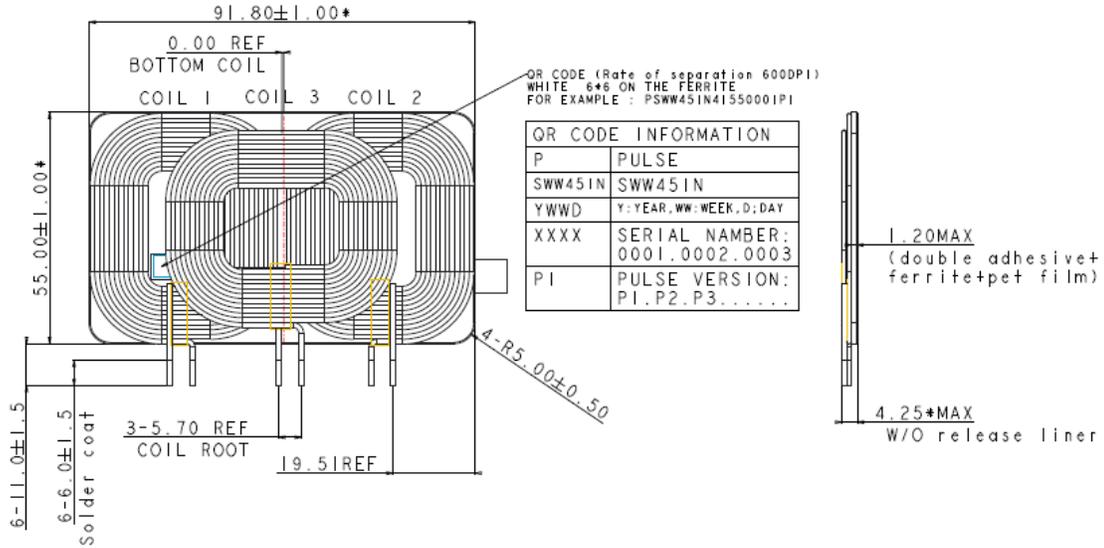
Size (mm)	Weight (g)	Wire Spec	Top coil	Bottom coil (2X)
91.8x 55x 4.25Max	34.5	0.08mm*105strands (USTC)	12turns/Single layer	12turns/Single layer

Notes:

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

Mechanical Drawing

SWW451N



Dimension Unit: mm

Electrical specifications

SWW451N

Test Item	Specification	Test Condition	Test instrument
L1&L2	12.5uH±10%	100KHz 1.0V	HP428A PRECISION LCR METER
L3	11.5uH±10%	100KHz 1.0V	HP428A PRECISION LCR METER
DCR1&DCR2&DCR3	65 mΩ Max		
Ope. Temp	-40 TO 85°C		HC-D3M TEMP& HUMIDITY CHAMBER

BOM List

SWW451N

ITEM	Part name	Specification	QTY
1	COILA&COILB&COILC	105 STRANDS OF 0.08MM COPPER WIRE(40AWG); USTC LITZ WIRE 12TURNS.	1
2	FERRITE ASSEMBLY	PET FILM BLACK(FERRITE TOP SIDE) T=0.05mm + MnZn ferrite(PC95)+double adhesive T=0.15mm 3M9448A	1
3	Glue	The Glue Silicone:AS-126T OR TM704 the glue is for 3coils,UV(U2) FOR COIL LEAD WIRE,	
4	QR CODE	White PET FILM 6*6mm T=0.1mm	1
5	Sn Plate	Sn99.3% Cu0.7%	

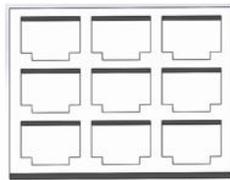
Package

SWW451N

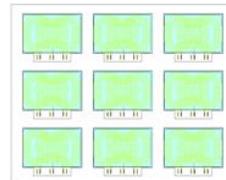
Tray packing:
9pcs/tray, 10pcs tray/box, total 90pcs/box



1pcs



9pcs/tray



10pcs tray/box



total 90pcs/box

For More Information:

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