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WPC Coil
MP-A13-COIL

SWW451N



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

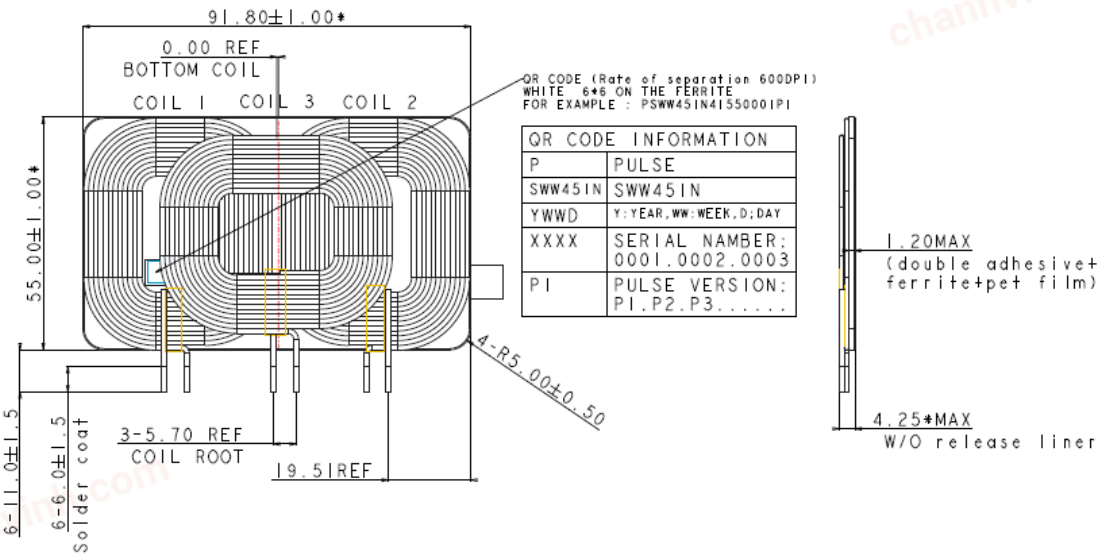
Notes:
1. Storage Temperature: -40°C to +85°C.
2. Operating Temperatures: -40°C to +85°C.
3. All test data is referenced to 25°C ambiance.

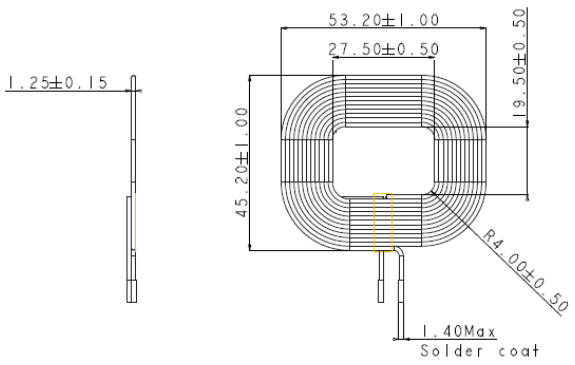
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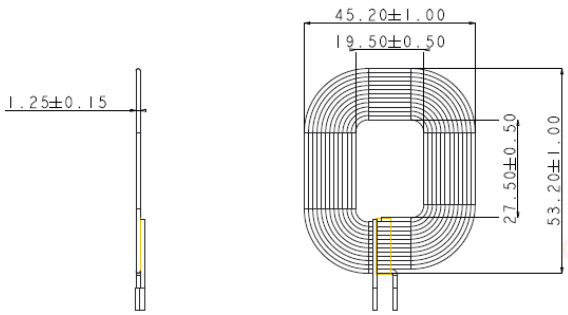
Mechanical Drawing

SWW451N





Coil 1&2



Coil 3

Dimension Unit: mm

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Electrical specifications

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Test Item	Specifiction	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 mΩMax		
Ope.Temp	-40 TO 85°C		HC-D3M TEMP& HUMIDITY CHAMBER

BOM List

SWW451N

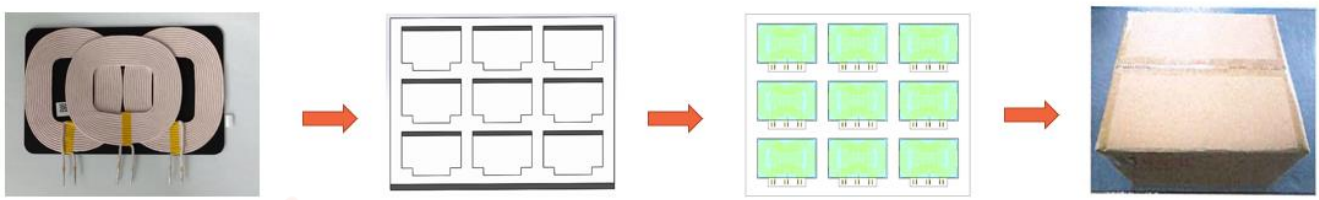
ITEM	Part name	Specification	QTY
1	COIL A&COIL B&COIL C	105 STRANDS OF 0.08MM COPPER WIRE(40AWG); USTC LITZ WIRE 12TURNS.	1
2	FERRITE ASSEMBLY	PET FILM BLACK(FERRITE TOP SIDE) T=0.05mm + MnZn ferrite(PC95)+double adhesive T=0.15mm 3M9448A	1
3	Glue	The Glue Silicone:AS-126T OR TM704 the glue is for 3coils,UV(U2)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

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Package

SWW451N

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



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