

LINEAR DIMM	TOL
0.5~6	±0.05
6~30	±0.10
30~120	±0.15
120~400	±0.20
400~1000	±0.30
ANGLE TOL	±0.50

Release paperT0.10mm

PE Adhesive(T=0.20mm)

Ferrite(PC40)(Base)
Material: Mn-Zn

Coil(Hot Line)
(0.08X65P)

Ferrite(PC40)(Middle)
Material: Mn-Zn

PET black film (Single-sided Adhesive)
(T=50um)

Parameter		
IND (100 KHZ/1.0V)	DCR	Q (100 KHZ/1.0V)
8.1uH±5%	70mΩ Max	≥60

42.90^{+0.80}_{-0.30}

A

4

3

2

1

3.50±1.00
(Tin intrusion)

15.00±1.00
(Outgoing line)

3

TOP
(Adhesive backing on coil surface)

1.74^{+0.10}_{-0.15}

(ADH+Coil+Ferrite+Film)
(measurement position:
A,B,C,3,4)

5

2

Coil-Ferrite≤1.0(A,B2,C3,D4)

Section A-A

39.60^{+0.30}_{-1.50}

20.40±0.10

7

6

4

A

B

C

D

1

Wire material:: 0.08X65P
Winding specification: ∅ 20.40X∅ 39.6
Winding turns:11T
Winding direction: Clockwise
Outgoing method: Parallel outgoing line

0.75±0.05

8

(Measurement position:
A,B,C,3,4)

42.90^{+0.80}_{-0.30}

5.20±0.20

10

4.00±0.30

11

3.00±0.40

12

8.40±0.50

15

30.40±0.40

13

39.90±0.60

14

0.72^{+0.05}_{-0.02}

16

Ferrite(Base)(Mn-Zn)

20.00^{+0.25}_{-1.20}

17

Ferrite(Middle)(Mn-Zn)

38.00±0.15

19

0.20±0.02
(Adhesive)

20

PE Adhesive
(TOP)

BOTTOM
(Ferrite surface with
PET black film on the back)

PART NAME	MPP-Coil Module	DESIGNED	甘子权	DAY	2025/07/22
MODE	RWC730	CHECK		DAY	
CODE	TRWC730RFYMGCL	APPROVE		DAY	
MATERIAL	Ferrite+Coil+Adhesive	REV	T01	PAGE	Page 1 of 1
SCALE	FIT				
UNIT	mm				

NuVolta

1

2

3

4

5

6

7

8

A

B

C

D

Technical Description:
1. No dirt, burrs, deformations, or scratches are allowed;
2. Working temperature -40~70 °C, storage temperature -40~90 °C;
3. Actual matching inspection is required and interference is not allowed;
4. We need to meet the relevant testing requirements of our company;
5. () "refers to dimensions, with" FAI "indicating key controlled dimensions and" SPC "indicating CPK dimensions, CPK 0.8;
6. View tolerance list without specified tolerance;
7. Meet halogen-free requirements and comply with EU ROHS 2.0.