

⊕ Feature

- Pair and triple wire coil for high stability and high balance.
- Available in tape & reel for automatic surface mounting.

⊕ Applications

- Double Balance Mixers.
- Broad-Band Transformers.
- Impedance Transformers.
- Common Mode Filter, Balun Transformers.

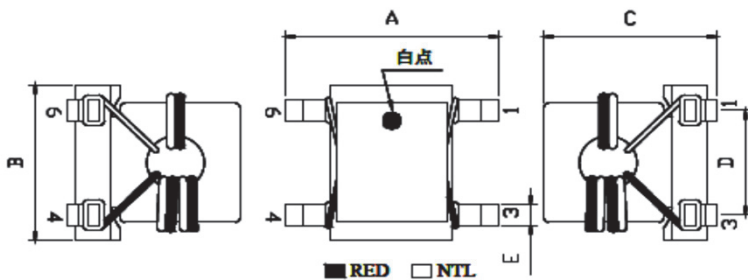
⊕ Product Identification:



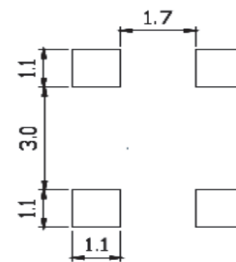
Series name	Dimensions(WxH)		Internal code
RFT	0405	3.8*5.0mm	N2= 2 set of wires P4= 4 Pin S = Standard

Wires group turns	
1.5	1
2.5	2
4.5	4
:	:

⊕ Shapes And Dimensions



⊕ Shapes And Dimensions

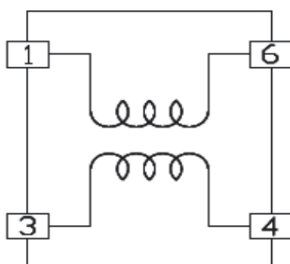


Part No.	Dimensions(mm)				
	A	B	C	D	E
RFT0403N2P4S-33	4.8	3.8	5.00	2.50	0.50
	±0.20	±0.20	Max.	±0.20	Ref.

⊕ Electrical Characteristics:

Part No.	Pin No	Turns (Ts)	Wire	Z (Ω)@100MHz	DCR (mΩ)	IDC (A)
RFT0403N2P4S-33	1-6	3.5	0.25-NTL	334	100	3
	3-4	3.5	0.25-RED	334	100	3
				Min	Max	Min

⊕ Equivalent Circuit Schematic:



⊕ Material List:

No.	Location	Material
1	Core	Ferrite Core
2	Wire	2UEWF
3	Solder	Sn99.3 Cu0.7
4	Base	BL-5P

1. Operating temperature -20°C ~ +105°C
2. Storage conditions -20°C ~ +105°C

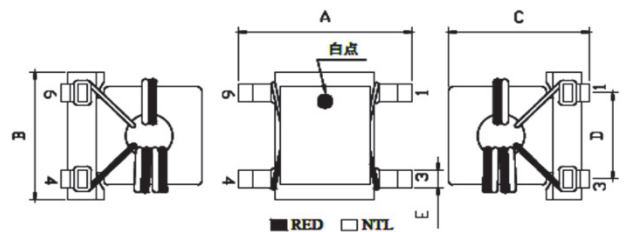
TEST DATA FOR PREPRODUCTION SAMPLES

Customer		Test Date	2019-5-5		
RSIN Part No.	RFT0403N2P4S-33	Sample Quantity	5	PCS	
Lot No		Test Temp	25°C	Test Humidity	62%

MEAS Item	Z (Ω)	DCR (mΩ)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)		
SPEC	334.00	100.00	4.80	3.80	5.00	2.50	0.50	-	-	-
Upper	-	100.00	5.10	4.10	5.00	2.70		-	-	-
Lower	334.00	-	4.50	3.50	-	2.30		-	-	-
Tolerance	Min	Max	0.30	0.30	Max	0.20	ref	-	-	-
Test Freq.	(Ω)@100MHz								-	-
1	501.00	14.90	4.75	3.78	4.12	2.52	0.48			
2	504.00	14.80	4.76	3.79	4.13	2.54	0.48			
3	508.00	14.50	4.78	3.76	4.11	2.53	0.49			
4	496.00	14.60	4.76	3.80	4.12	2.52	0.48			
5	502.00	14.50	4.77	3.79	4.12	2.52	0.48			
6										
7										
8										
9										
10										
Average	502.20	14.66	4.76	3.78	4.12	2.53	0.48			
Max	508.00	14.90	4.78	3.80	4.13	2.54	0.49	0.00	0.00	0.00
Min	496.00	14.50	4.75	3.76	4.11	2.52	0.48	0.00	0.00	0.00
Range	12.00	0.40	0.03	0.04	0.02	0.02	0.01	0.00	0.00	0.00
StDevP	3.92	0.16	0.01	0.01	0.01	0.01	0.00	#####	#####	#####

Test Instrument
LCR TH2819A
DCR TH2512

Configuration



Coil Spec : 0.25-NTL x 3.5 (Ts)

Drawn by *davy* Checked by *amanda* Approved by *Vincent*

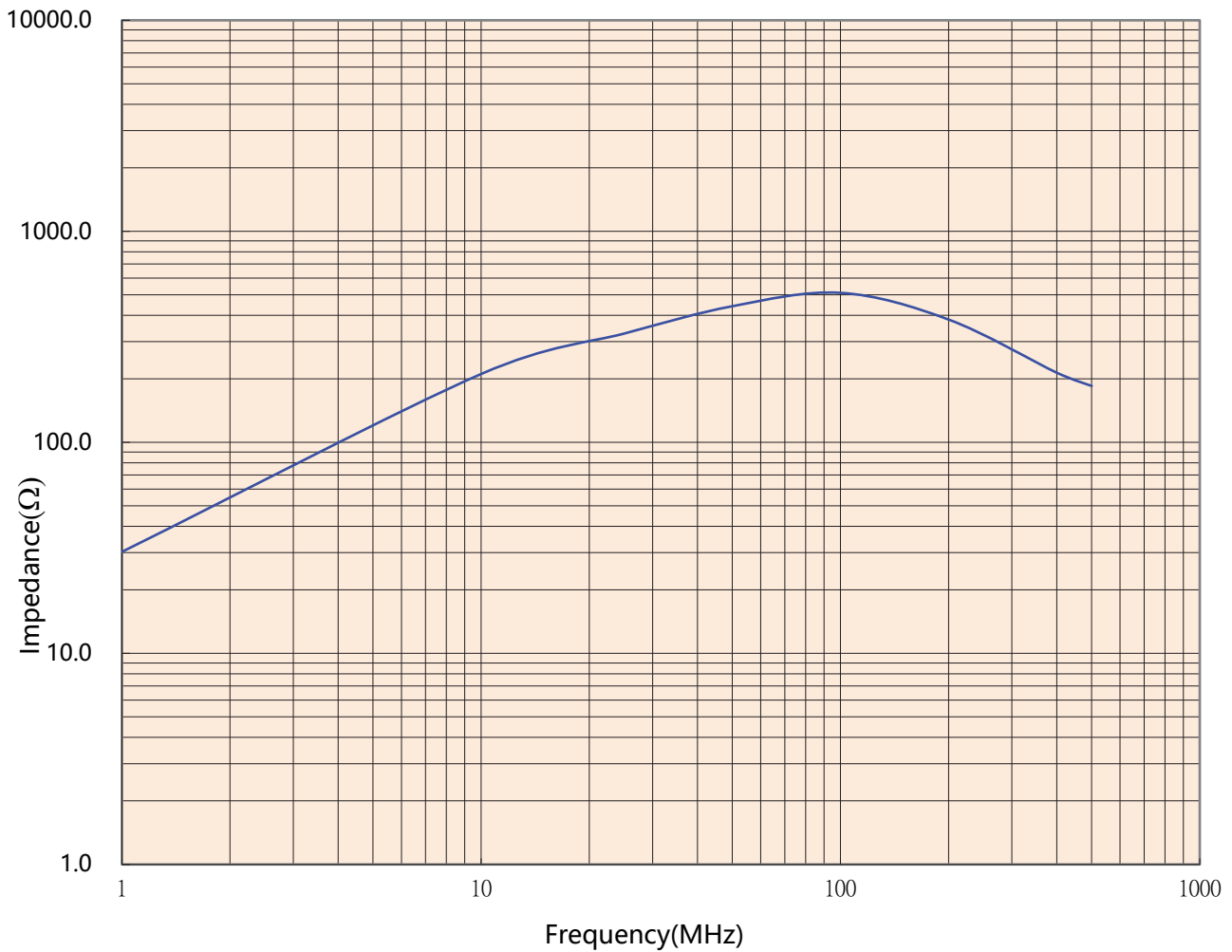


⊕ Test Curve

品名 \ 阻抗頻率	1	10	25	50	100	200	400	500	1000
RFT0403N2P4S-33	30.3	211.0	328.0	442.0	511.0	382.0	214.0	185.0	

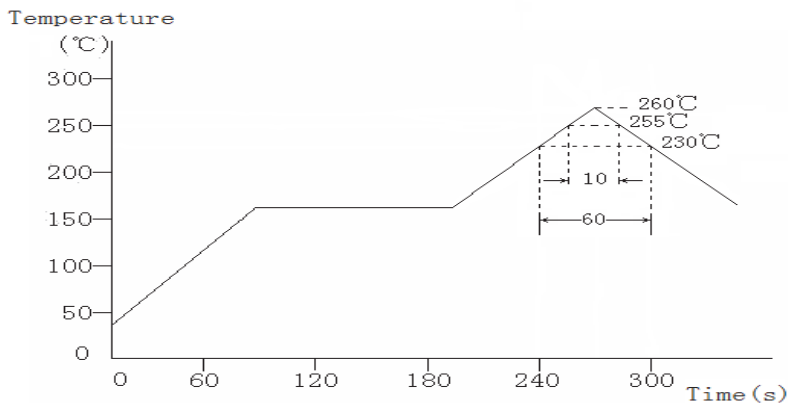
⊕ Test Condition

Winding	0.25-NTL	x	3.5	(Ts)	Test Instruments	HP4191A
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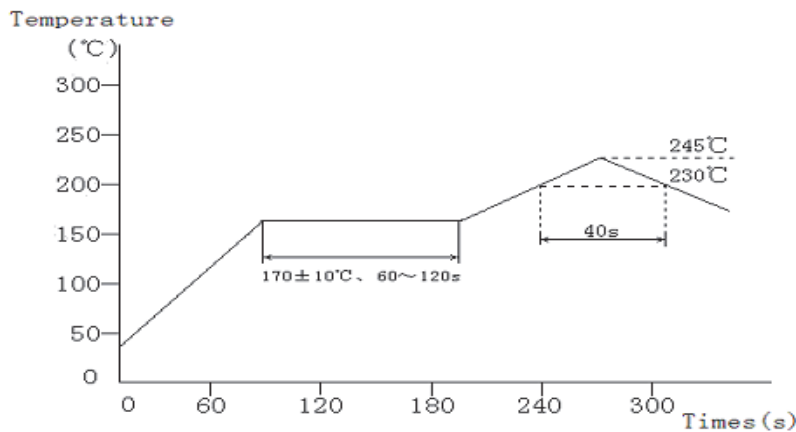
⊕ Remark

⊕ Reflow Soldering Heat Endurance



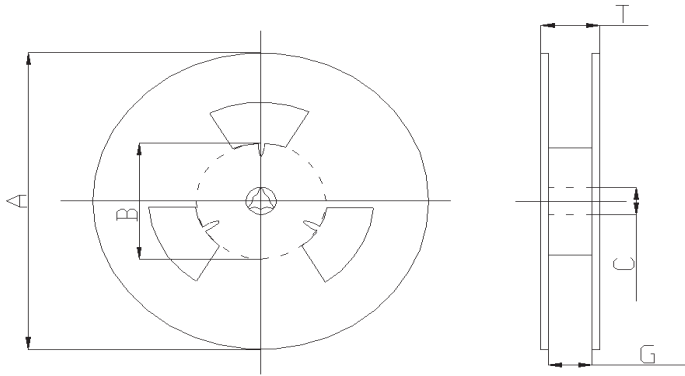
- No mechanical and electrical defects are found after testing based on the above profile and keeping under the conditions of room temperature and humidity for 2 hours.
- Twice reflow test is acceptable with the test interval remaining 1 hour under the normal conditions.
- The reflow test profile may vary with the testing instruments.

⊕ Recommended Reflow Conditions



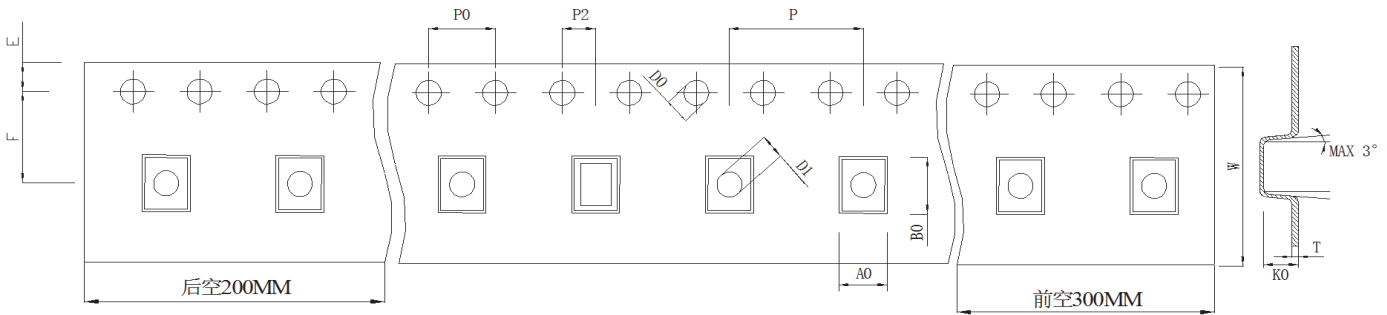
The recommended reflow profile is based on the testing instruments used. Solder ability will depend on the testing equipments, reflow conditions, testing method, etc. So it is necessary to make a confirmation of them when the reflow conditions are set up.

⊕ Reel Dimension(m/m)



Item	A(mm)	B(mm)	C(mm)	G(mm)	T(mm)
13"x12	330±1	100±1	13.3±1	12.5±1	17.1±2

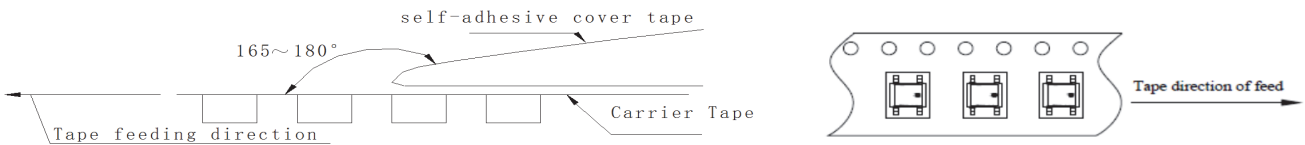
⊕ Taping Dimension(m/m)



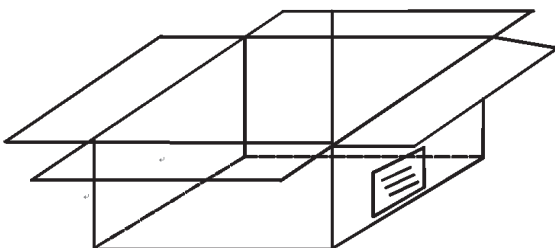
Item	W	A0	B0	K0	E	F	P	P0
12mm	12.0±0.3	4.2±0.1	5.2±0.1	4.4±0.1	1.75±0.1	5.5±0.1	8.0±0.1	4.0±0.1
	P2	D0	D1	T				
	2.0±0.1	1.5±0.1	1.5±0.3	0.35±0.05				

⊕ Tape Peel off Strength

The force to tear off cover tape: 10~130g.f



⊕ Packaging Carton



Packing Unit	Carton Packing Unit
1500 PCS / Reel	9000 PCS / Box

410mm * 410mm * 170mm (1tray/ box)

⊕ Feature

- Pair and triple wire coil for high stability and high balance.
- Available in tape & reel for automatic surface mounting.

⊕ Applications

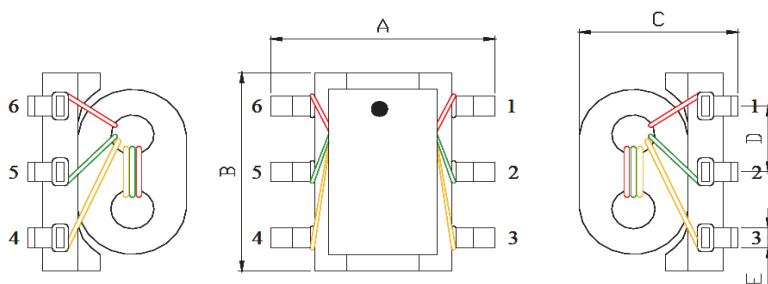
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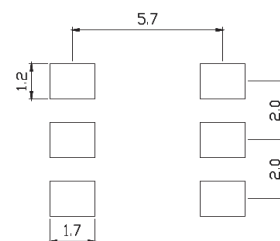


Series name	Dimensions(WxLxH)		Internal code	Wires group turns	
RFT	0604	6.2*6.0*4.5mm	A	1.5	1
			N3= 3 set of wires	2.5	2
			P6= 6 PIN	4.5	4
			S = Standard	:	:

⊕ Shapes And Dimensions



⊕ Shapes And Dimensions

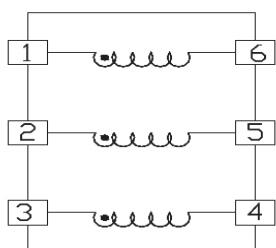


Part No.	Dimensions(mm)				
	A	B	C	D	E
RFT0604N3P6S-444	6.2	6.0	4.50	2.00	0.60
	±0.30	±0.30	Max.	±0.20	Ref.

⊕ Electrical Characteristics:

Part No.	Pin No	Turns (Ts)	Wire	Z (1-6)=(2-5)=(3-4)(Ω)		DCR(1-6)=(2-5)=(3-4) (mΩ)
				@25MHz	@100MHz	
RFT0604N3P6S-444	1-6	4.5	1UEWF-0.12-RED	130	580	-
	2-5	4.5	1UEWF-0.12-Green			
	3-4	4.5	1UEWF-0.12-NTL			
				Min	Min	Max.

⊕ Equivalent Circuit Schematic:



⊕ Material List:

No.	Location	Material
1	Core	Ferrite Core
2	Wire	1UEW
3	Solder	Sn99.3 Cu0.7
4	Base	BL-6P

1. Operating temperature -20°C ~ +105°C
2. Storage conditions -20°C ~ +105°C

TEST DATA FOR PREPRODUCTION SAMPLES

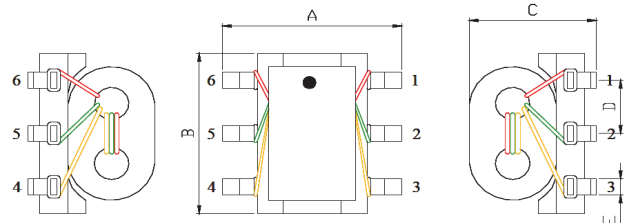
Customer		Test Date	2019-3-14		
RSiN Part No.	RFT0604N3P6S-444	Sample Quantity	5	PCS	
Lot No		Test Temp	25°C	Test Humidity	62%

MEAS Item	Z (1-6)=(2-5)=(3-4) (Ω)	Z (1-6)=(2-5)=(3-4) (Ω)	DCR(1-6)=(2-5)=(3-4) (mΩ)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)		
SPEC	130	580	-	6.20	6.00	4.50			-	-	-
Upper	-	-	-	6.50	6.30	4.50	0.00	0.00	-	-	-
Lower	130	580	-	5.90	5.70	-	0.00	0.00	-	-	-
Tolerance	Min	Min	Max	0.30	0.30	Max			-	-	-
Test Freq.	@25MHz	@100MHz								-	-
1	650.00	692.00		6.16	6.07	4.28					
2	632.00	688.00		6.18	6.05	4.28					
3	644.00	680.00		6.20	6.06	4.27					
4	638.00	691.00		6.18	6.08	4.28					
5	630.00	680.00		6.18	6.05	4.27					
6											
7											
8											
9											
10											
Average	638.80	686.20		6.18	6.06	4.28					
Max	650.00	692.00	0.00	6.20	6.08	4.28			0.00	0.00	0.00
Min	630.00	680.00	0.00	6.16	6.05	4.27			0.00	0.00	0.00
Range	20.00	12.00	0.00	0.04	0.03	0.01			0.00	0.00	0.00
StDevP	7.44	5.23	#DIV/0!	0.01	0.01	0.00			#####	#####	####

Test Instrument

LCR TH2819A
DCR TH2512

Configuration



Coil Spec : 1UEWF-0.12-NTL X 4.5 (Ts)

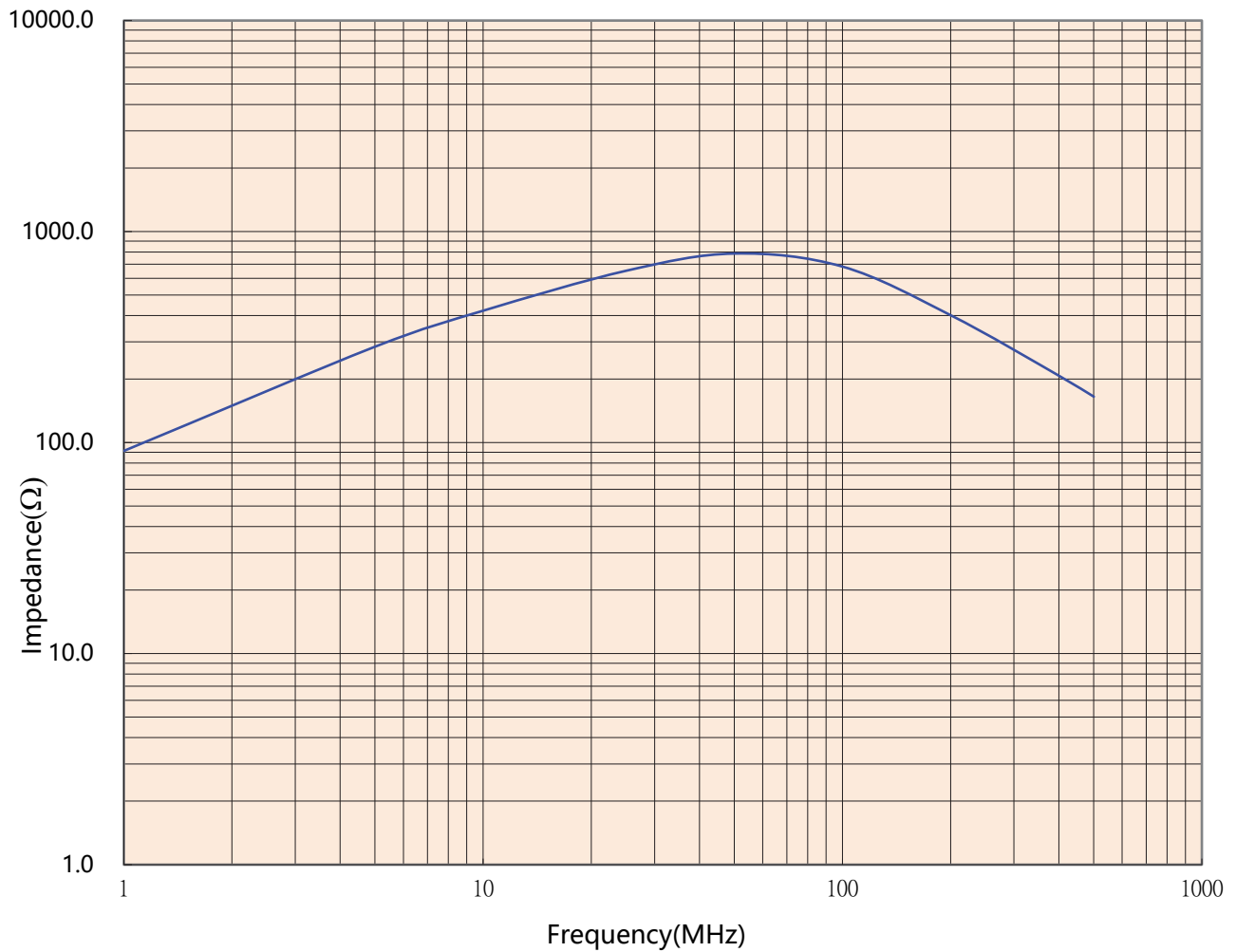
Drawn by *davy* Checked by *amanda* Approved by *Vincent*

⊕ Test Curve

品名 \ 阻抗頻率	1	5	10	25	50	100	200	400	500
RFT0604N3P6S-444	91.3	284.7	421.9	652.0	787.0	682.0	401.7	207.4	165.1

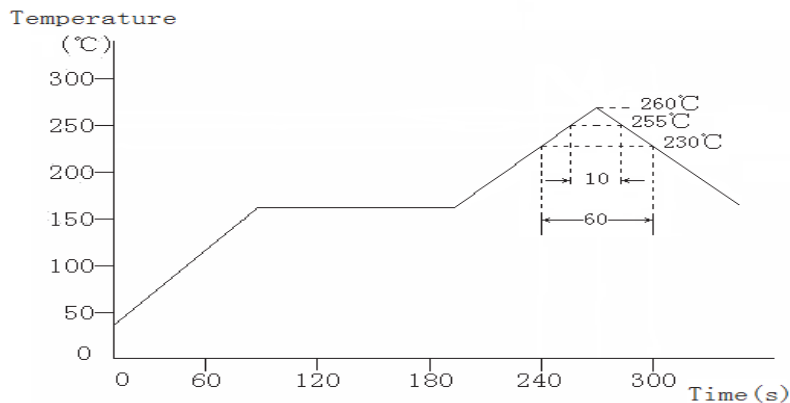
⊕ Test Condition

Winding	0.12	X	4.5	(Ts)	Test Instruments	HP4191A
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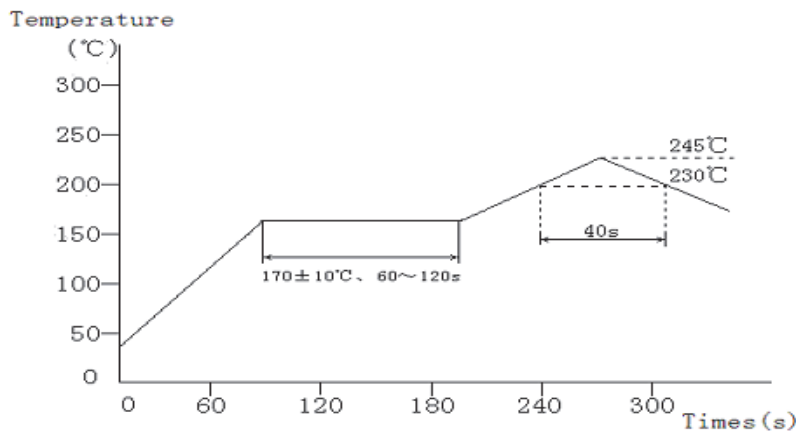
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