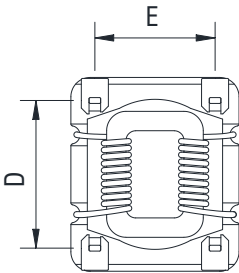
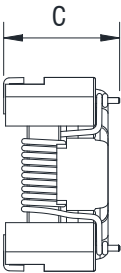
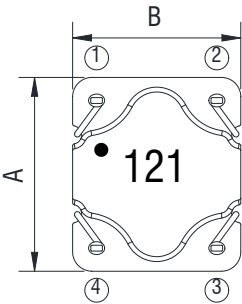
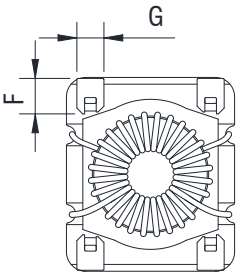


1.Appearance and dimensions (mm)



(121~102Y)

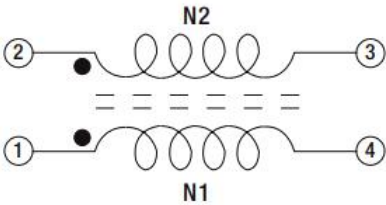


(222~472Y)

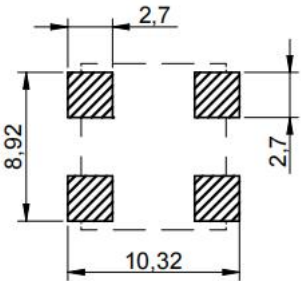
Note: laser marking

Item	A	B	C	D	E	F	G
Dim	10.0	8.7	6.5	7.62	6.22	1.8	1.4
Tole	±0.3	±0.3	Max	±0.1	±0.1	Typ	Typ

2.Schematic



3.Reference land pattern (mm)



4.Electrical Properties

Part Number	Inductance (uH)	LeakageInd. Inductance (uH) Typ.	D.C.R (mΩ) max.	Rated Current (A)	Rated Voltage (Vdc) max.	Impedance	
						Frequency Range (MHz)	Min. Value (Ω)
SRF1006-121Y-CND	120 ±40%	0.86	25	2.5	80	10 - 200	200
SRF1006-221Y-CND	220 ±40%	1.3	32	2.2	80	7 - 150	350
SRF1006-251Y-CND	250 ±40%	1.5	35	2.0	80	5 - 100	400
SRF1006-471Y-CND	470 ±40%	3.0	65	1.6	80	2 - 50	800
SRF1006-102Y-CND	1000 ±40%	5.9	180	0.95	80	1 - 40	1400
SRF1006-222Y-CND	2200 ±40%	0.22	300	0.75	80	1 - 10	3000
SRF1006-332Y-CND	3300 ±40%	0.33	360	0.65	80	1 - 7	4000
SRF1006-392Y-CND	3900 ±40%	0.45	540	0.52	80	1 - 5	5000
SRF1006-472Y-CND	4700 ±40%	0.65	720	0.35	80	1 - 3	6000

(1).Test condition: 100KHz/0.1V,All data is tested based on 25℃ ambient temperature.

(2).Impedance measure condition reference frequency range

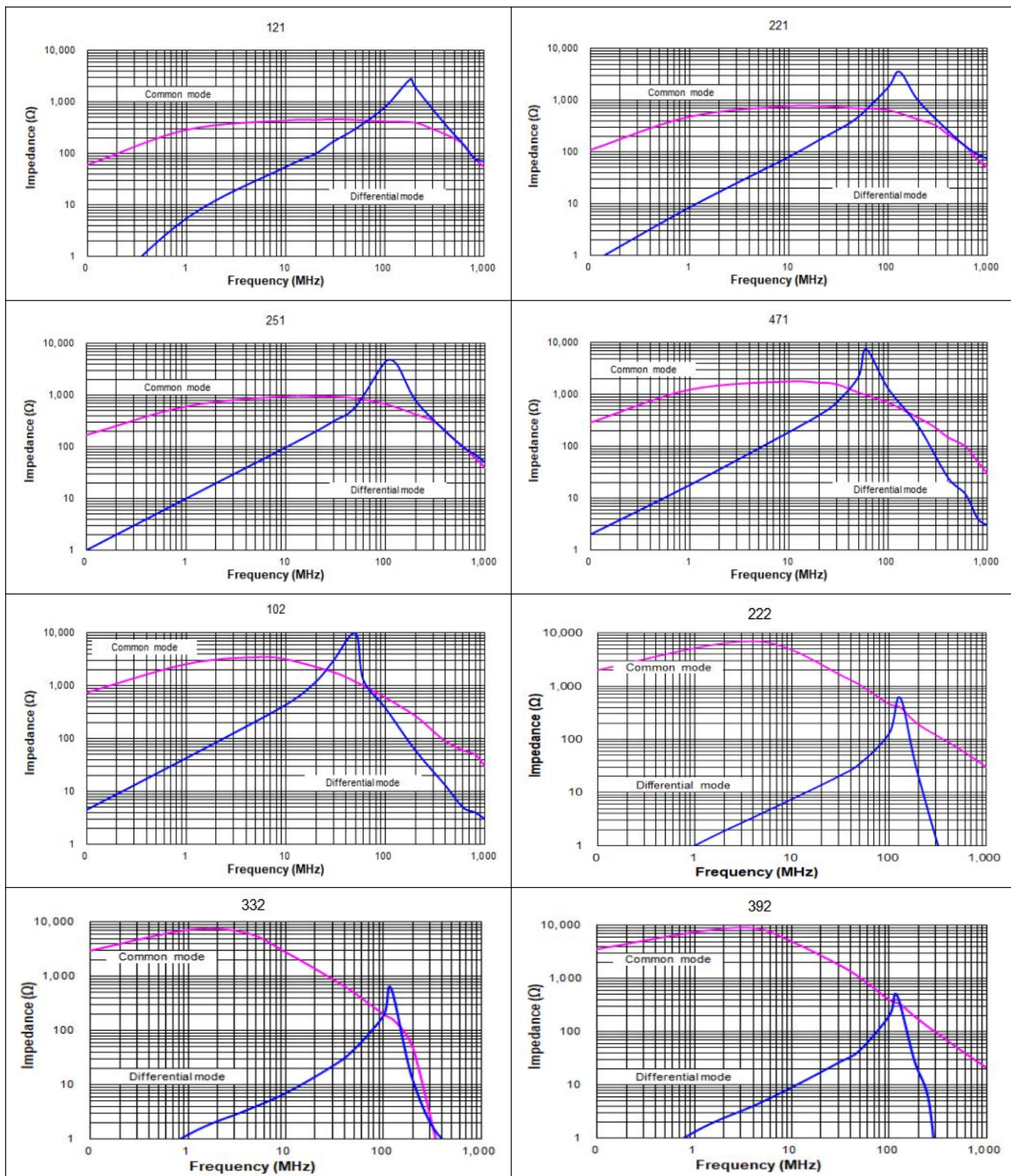
(3).Leakage inductance is for L1 and is measured with L2 shorted.

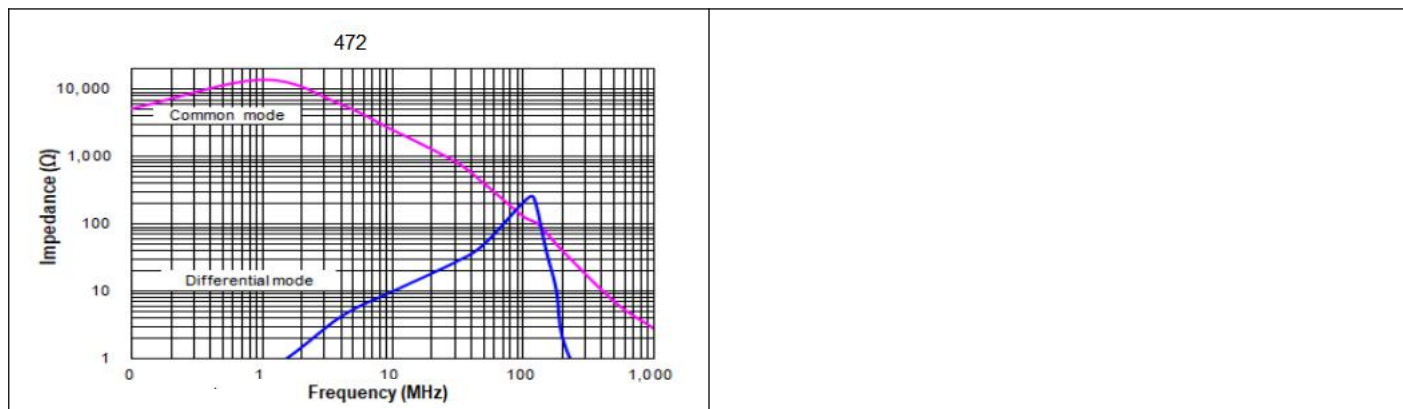
(4).Rated current: the value of DC current when the temperature rise is AT40℃ (Ta=25℃).

(5).Operating Temperature: -40℃ to +105℃ (Temperature rise included).

(6).Storage condition: Temperature 5 to 40℃, RH≤70%.

5. Impedance vs Frequency Curve



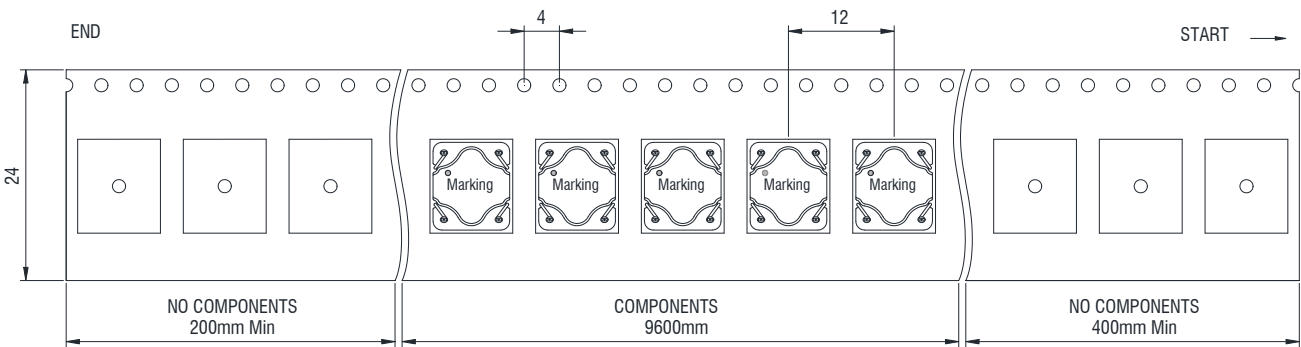


6.Material list

No.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	LCP E4008&C5191
3	WIRE	P180 G1
4	ADHESIVE	FH-3614
5	TIN	Sn100%

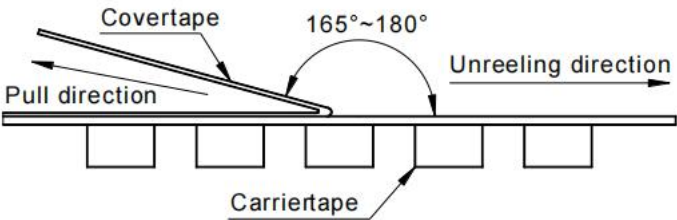
7.Packing Specification

(1).Tape Direction (mm)

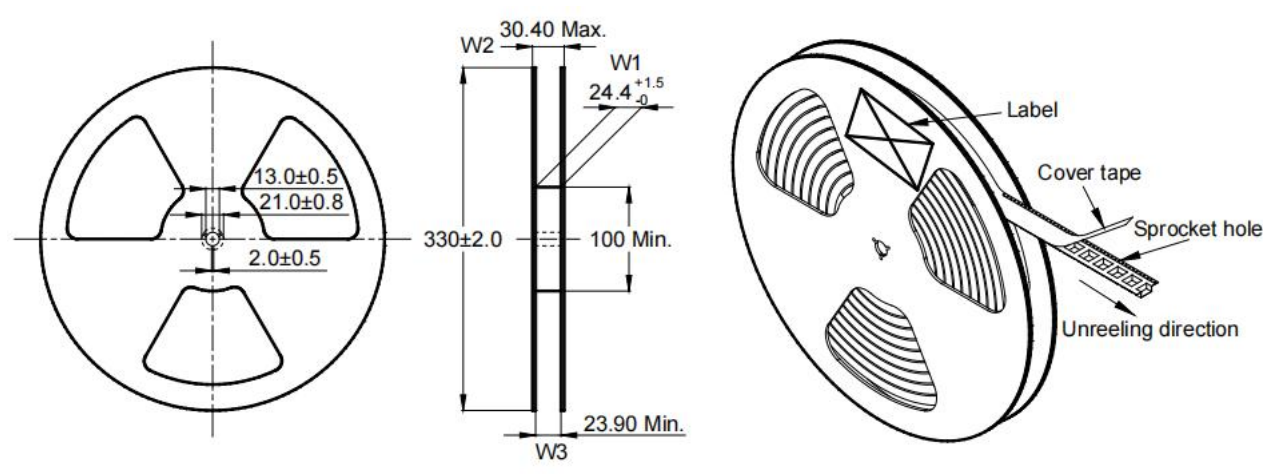


(2).Cover Tape Peel Off Condition

- Cover tape peel force shall be 10g to 130g.
- Reference peel speed 300 ± 10 mm/min.



(3). Reel Dimensions (mm)



(4).Carton Dimensions and Packing Quantity

■ Inner Carton: 340x340x70mm

■ Out Carton: 360x360x240mm

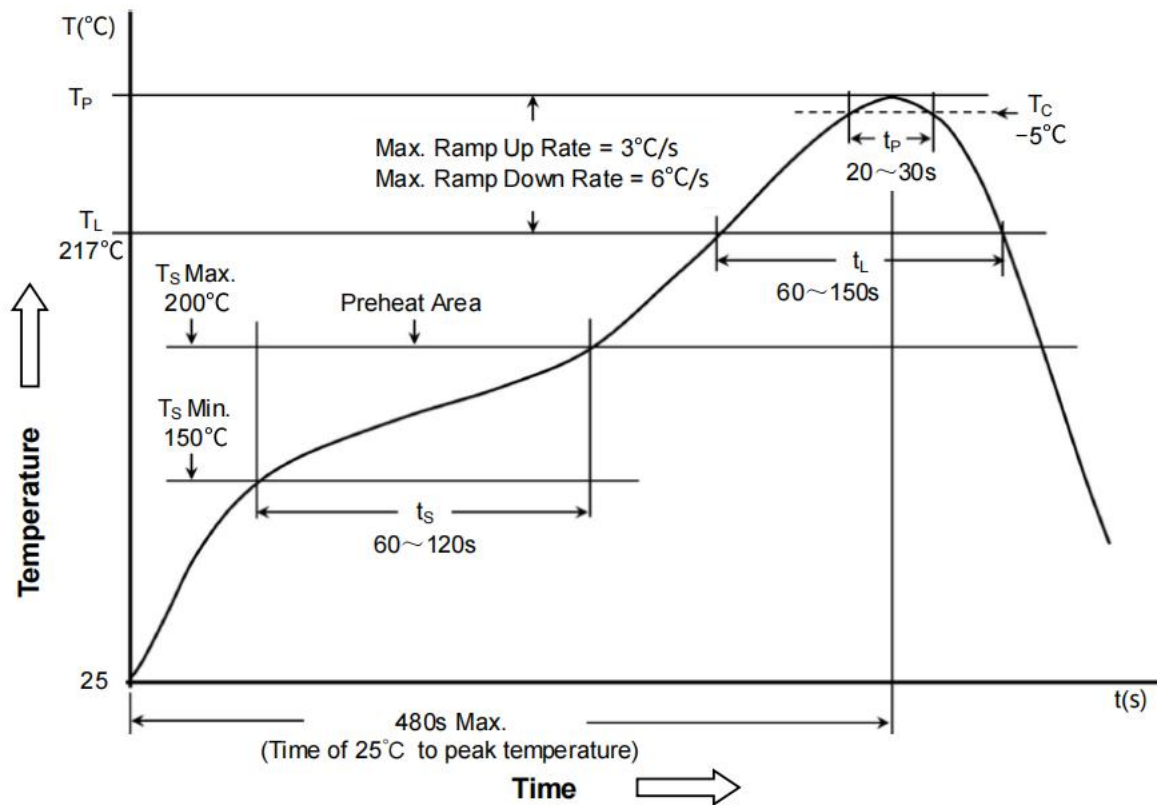
Product Series	Quantity / Reel	Inner Carton Quantity	Out Carton Quantity
SRF1006	800pcs	(800x2) = 1600pcs	(1600x3) = 4800pcs

(5). Label Making

P/N:	
P/O:	
Qty:	
D/C:	
Date:	

8. Soldering Specification

(1).Reflow Profile for SMT Components



(2) .Classification of Peak Package Body Temperature (T_P)

	Package Thickness	Package Volume		
		<350 mm ³	350~2000 mm ³	>2000 mm ³
PB-Free Assembly	<1.6mm	260°C	260°C	260°C
	1.6~2.5mm	260°C	250°C	245°C
	≥2.5mm	250°C	245°C	245°C

■ Reflow is referred to standard IPC/JEDEC

■ J-STD-020D.PC/JEDEC J-STD-020D.