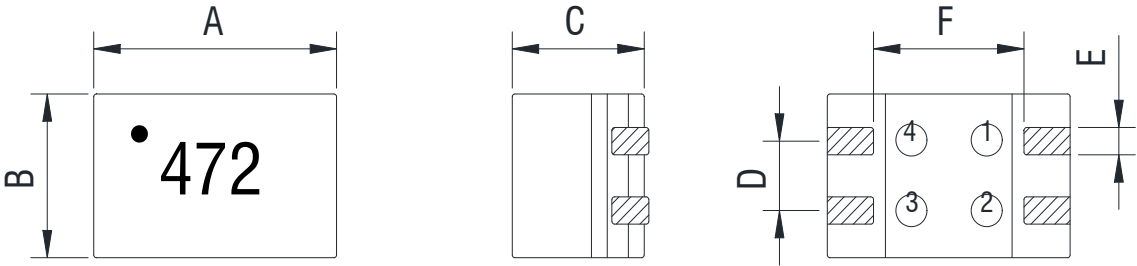


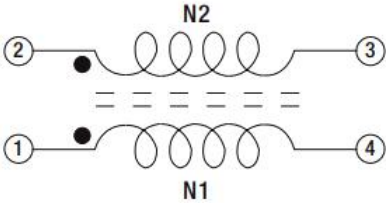
1.Appearance and dimensions (mm)



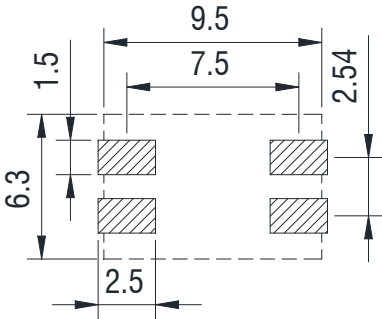
Note: Printing white characters or laser marking

Item	A	B	C	D	E	F
Dim	9.2	6.0	5.0	2.54	1.0	5.7
Tole	±0.3	±0.3	±0.3	Typ	Typ	Typ

2.Schematic



3.Reference land pattern (mm)



4.Electrical Properties

Part Number	Inductance (μ H)	LeakageInd. Inductance (μ H) Typ.	D.C.R (Ω) max.	Rated Voltage (Vdc) max.	Rated Current (A)	Impedance 阻抗	
						Frequency Range (MHz)	Min. Value (Ω)
SRF0905A-100Y-CND	10 +50%/-30%	8	0.08	80	1.6	20 - 300	200
SRF0905A-250Y-CND	25 +50%/-30%	16	0.16	80	1.0	20 - 150	600
SRF0905A-400Y-CND	40 +50%/-30%	18	0.25	80	0.9	20 - 100	800
SRF0905A-510Y-CND	51 +50%/-30%	22	0.32	80	0.8	20 - 100	1500
SRF0905A-251Y-CND	250 $\pm$ 50%	0.11	0.13	80	1.2	3 - 20	600
SRF0905A-471Y-CND	470 $\pm$ 50%	0.12	0.14	80	1.1	2 - 20	1000
SRF0905A-501Y-CND	500 $\pm$ 50%	0.12	0.15	80	1.0	1 - 20	1000
SRF0905A-102Y-CND	1000 $\pm$ 50%	0.17	0.31	80	0.8	1 - 15	1500
SRF0905A-202Y-CND	2000 $\pm$ 50%	0.25	0.42	80	0.6	1 - 5	3000
SRF0905A-472Y-CND	4700 $\pm$ 50%	0.36	0.90	80	0.4	0.3 - 3	4000
SRF0905A-652Y-CND	6500 $\pm$ 50%	0.39	1.05	80	0.3	0.3 - 2	5000

(1).Test condition: 5-1000 μ H,100KHz/0.1V; 2000-4700 μ H,10KHz/0.1V,All data is tested based on 25°C ambient temperature.

(2).Impedance measure condition reference frequency range.

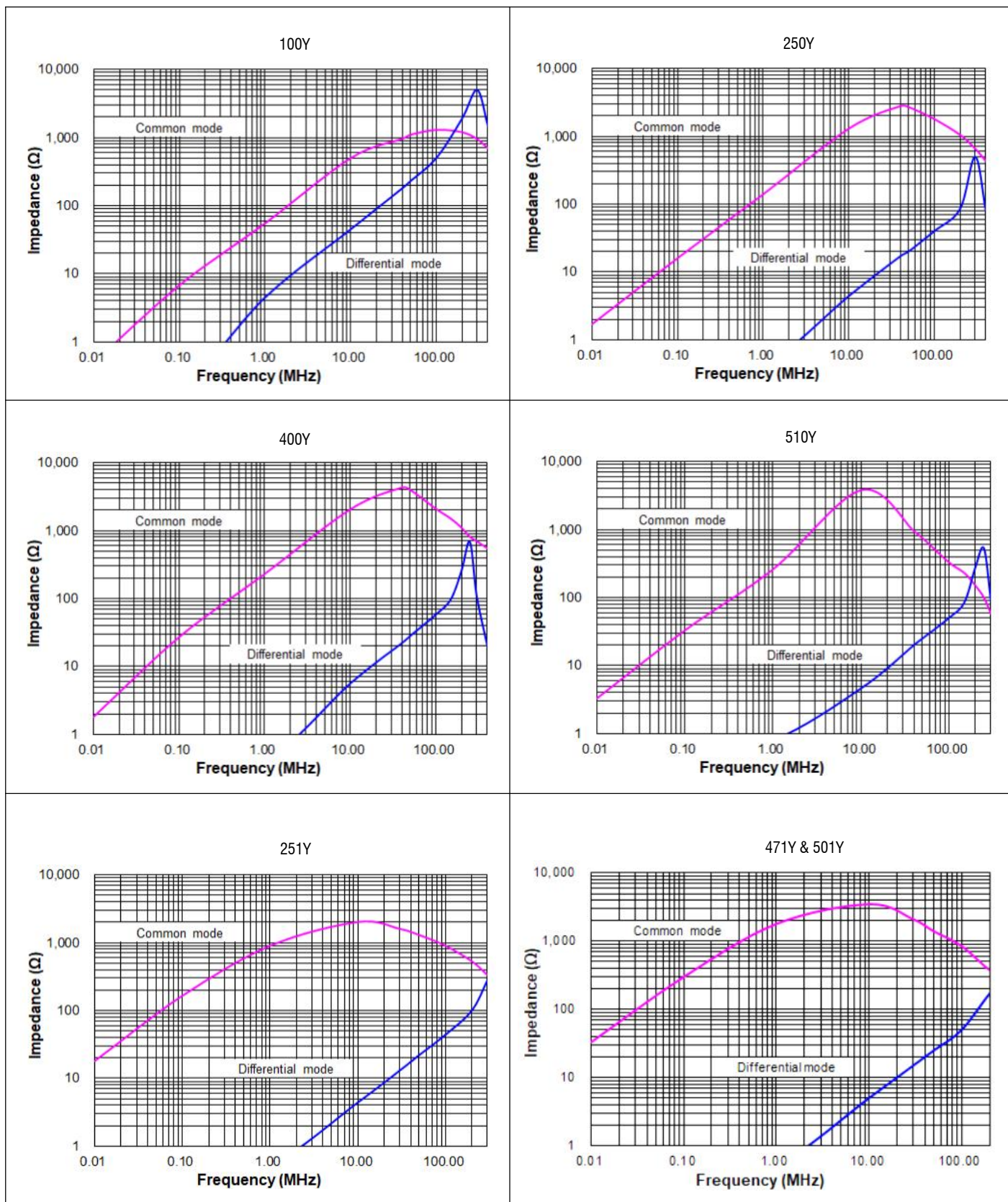
(3).Leakage inductance is for L1 and is measured with L2 shorted.

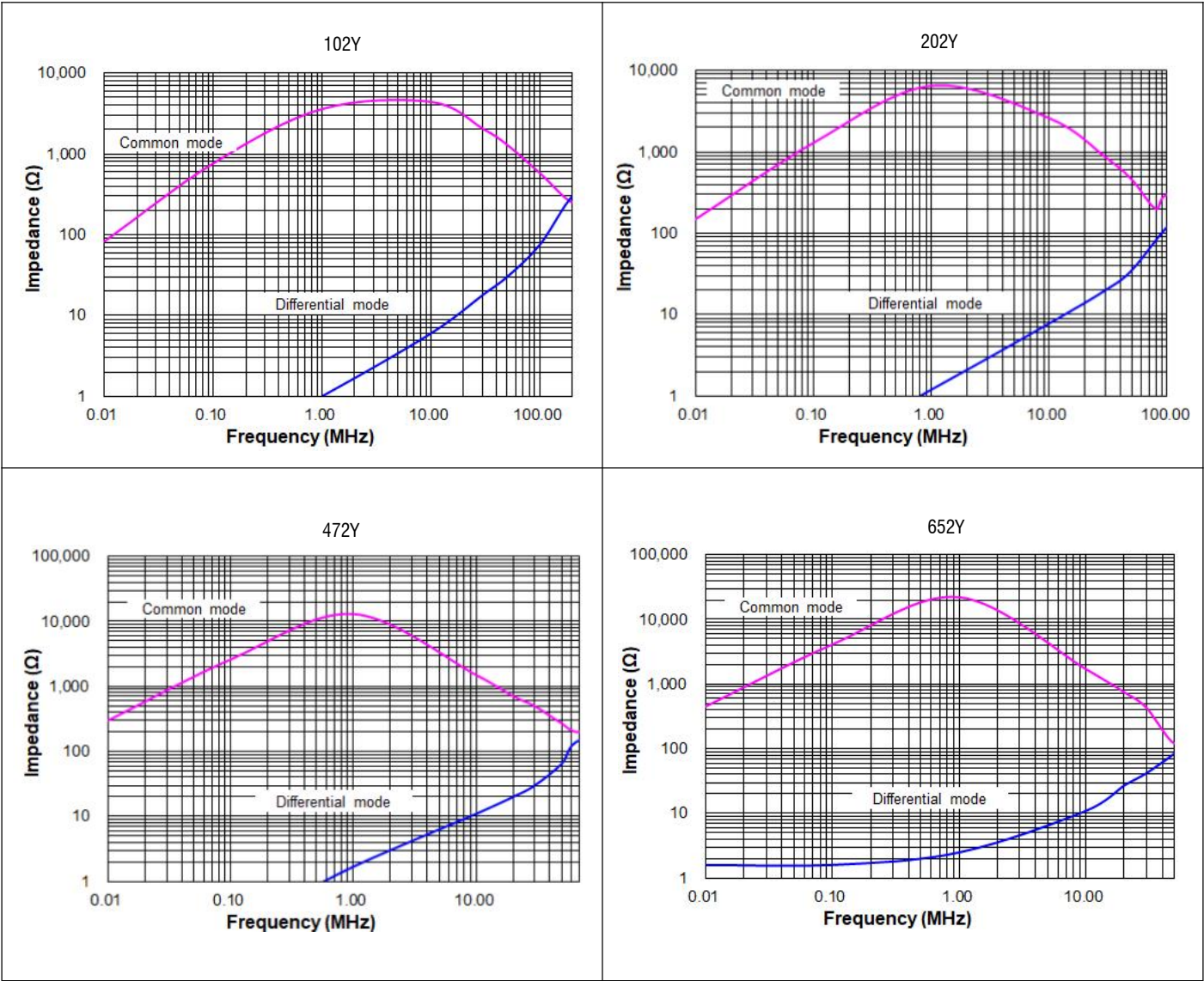
(4).Rated current: the value of DC current when the temperature rise is AT40°C (Ta=25°C).

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

(6).Storage condition: Temperature 5 to 40°C, RH $\leq$ 70%.

5.Impedance vs Frequency Curve



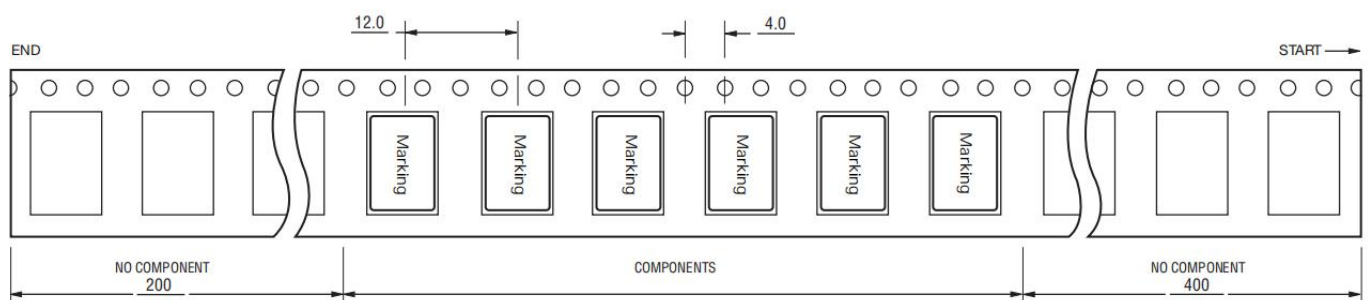


6.Material list

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

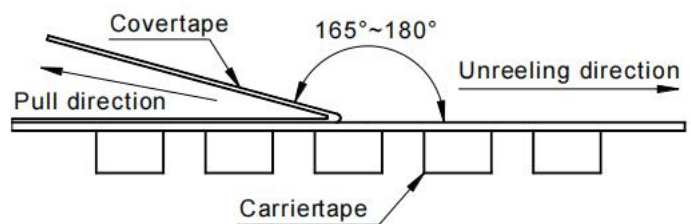
7.Packing Specification

(1).Tape Direction (mm)

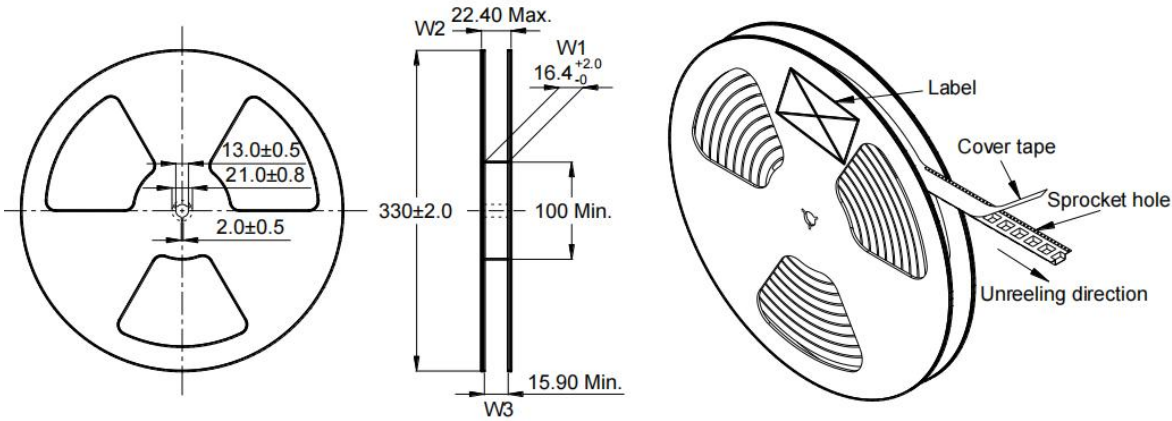


(2).Cover Tape Peel Off Condition

- 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

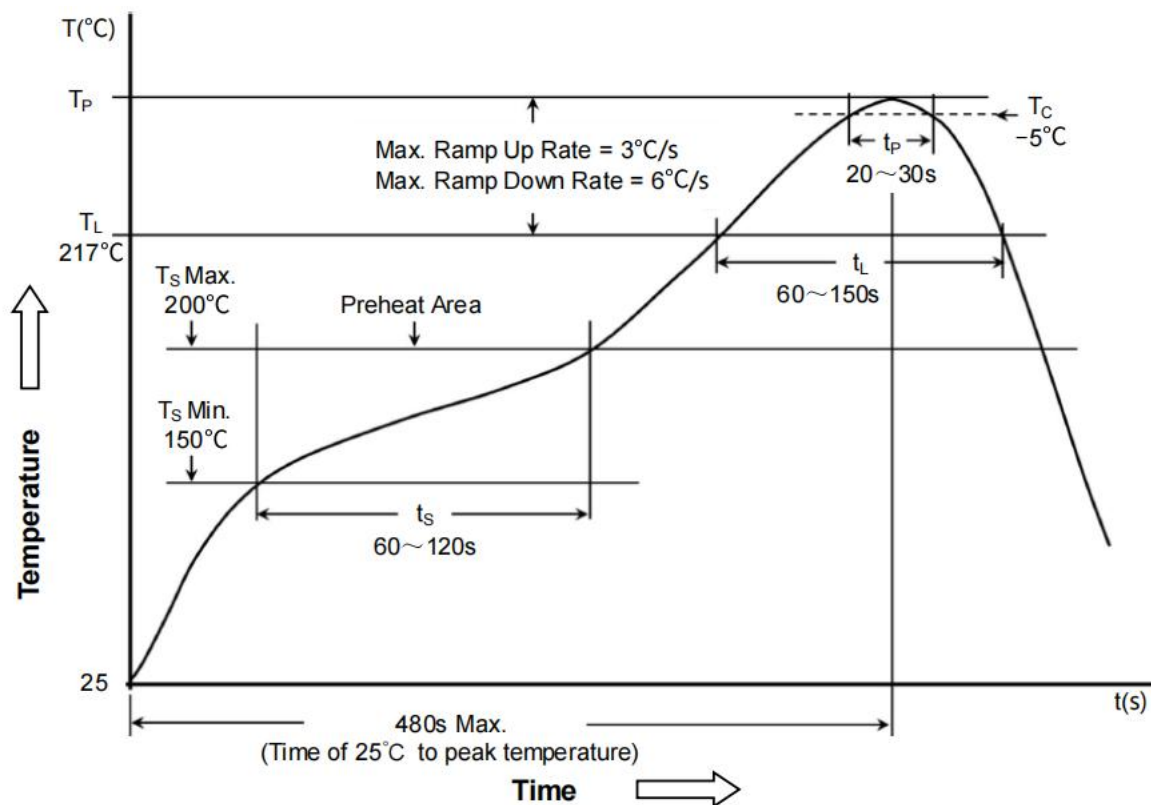
Product Series	Quantity / Reel	Inner Carton Quantity	Out Carton Quantity
SCM0905CC	1000pcs	(1000x3) = 3000pcs	(3000x3) = 9000pcs

(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 (TP)

	Package Thickness	Package Volume		
		$<350 \text{ mm}^3$	$350 \sim 2000 \text{ mm}^3$	$>2000 \text{ mm}^3$
PB-Free Assembly	$<1.6 \text{ mm}$	260°C	260°C	260°C
	$1.6 \sim 2.5 \text{ mm}$	260°C	250°C	245°C
	$\geq 2.5 \text{ mm}$	250°C	245°C	245°C

■ Reflow is referred to standard IPC/JEDEC J-STD-020D.