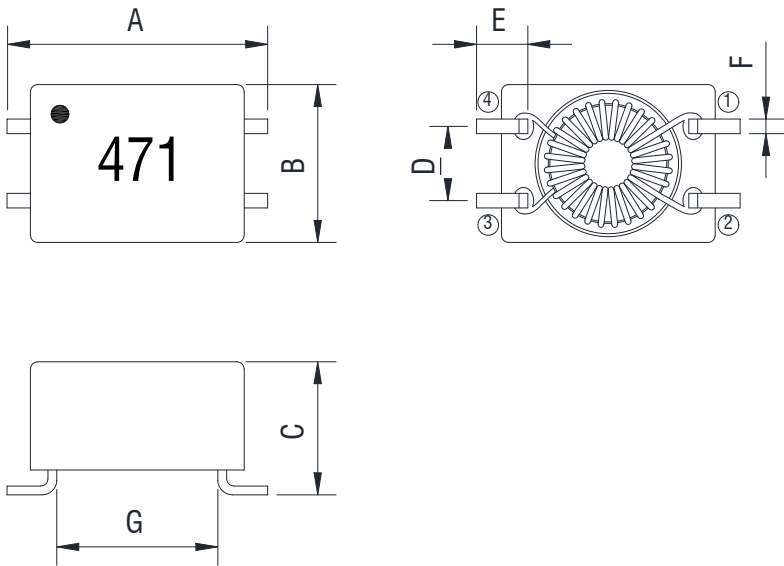


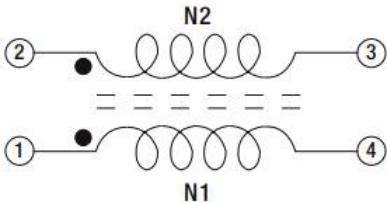
1.Appearance and dimensions (mm)



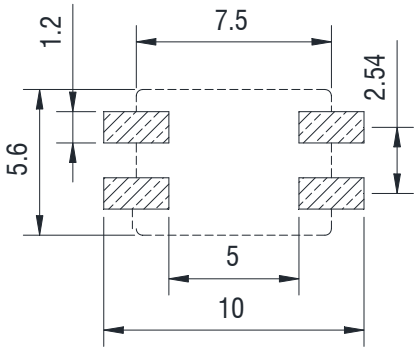
Note: Printing white characters or laser marking

Item	A	B	C	D	E	F	G
Dim	9.0	5.4	4.6	2.54	1.8	0.5	5.5
Tole	±0.3	±0.3	±0.3	±0.2	Typ	Typ	Typ

2.Schematic



3.Reference land pattern (mm)



4.Electrical Propertie

Part Number	Inductance (uH)	LeakageInd. Inductance (uH) Typ.	D.C.R (Ω) max.	Rated Voltage (Vdc) max.	Rated Current (A)	Impedance	
						Frequency Range (MHz)	Min. Valu e (Ω)
ACM0904-5R0Y-CND	5 ±30%	0.08	0.08	80	1.2	20 - 500	100
ACM0904-110Y-CND	11 ±30%	0.10	0.10	80	1.0	20 - 500	200
ACM0904-250Y-CND	25 ±30%	0.12	0.11	80	0.8	20 - 500	400
ACM0904-510Y-CND	51 ±30%	0.15	0.12	80	0.8	20 - 300	800
ACM0904-101Y-CND	100 +50%/-30%	0.16	0.13	80	0.7	5 - 100	600
ACM0904-251Y-CND	250 +50%/-30%	0.18	0.16	80	0.7	3 - 100	1000
ACM0904-471Y-CND	470 +50%/-30%	0.20	0.20	80	0.7	2 - 50	1500
ACM0904-731Y-CND	730 +50%/-30%	0.23	0.20	80	0.7	2 - 30	2000
ACM0904-102Y-CND	1000 +50%/-30%	0.25	0.20	80	0.7	1 - 20	2500
ACM0904-222Y-CND	2200 +50%/-30%	0.30	0.40	80	0.5	1 - 10	3000
ACM0904-302Y-CND	3000 +50%/-30%	0.40	0.48	80	0.4	1 - 5	4000
ACM0904-472Y-CND	4700 +50%/-30%	0.45	0.55	80	0.4	1 - 5	5000

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

(2).Impedance measure condition reference frequency range.

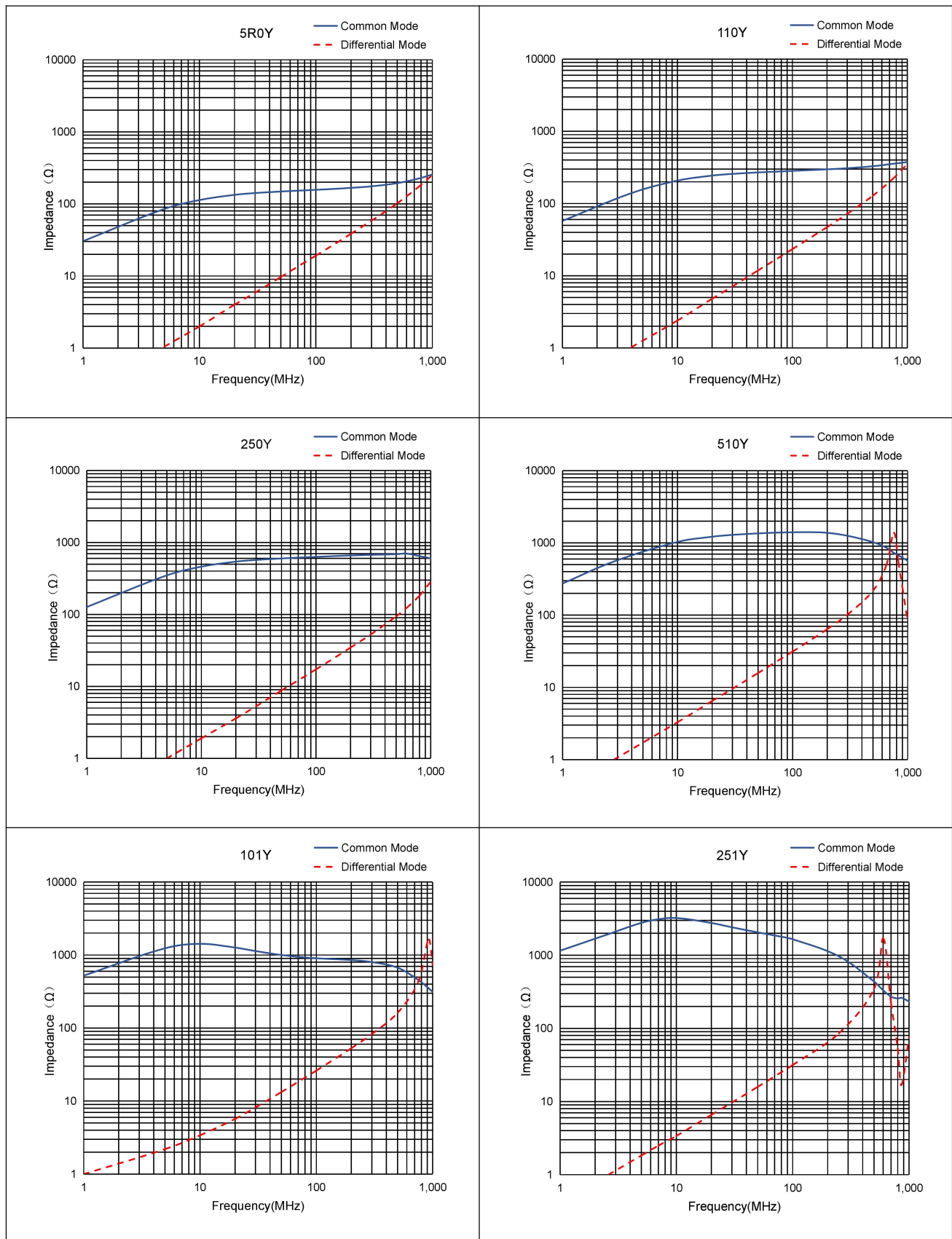
(3).Leakage inductance is for L1 and is measured with L2 shorted.

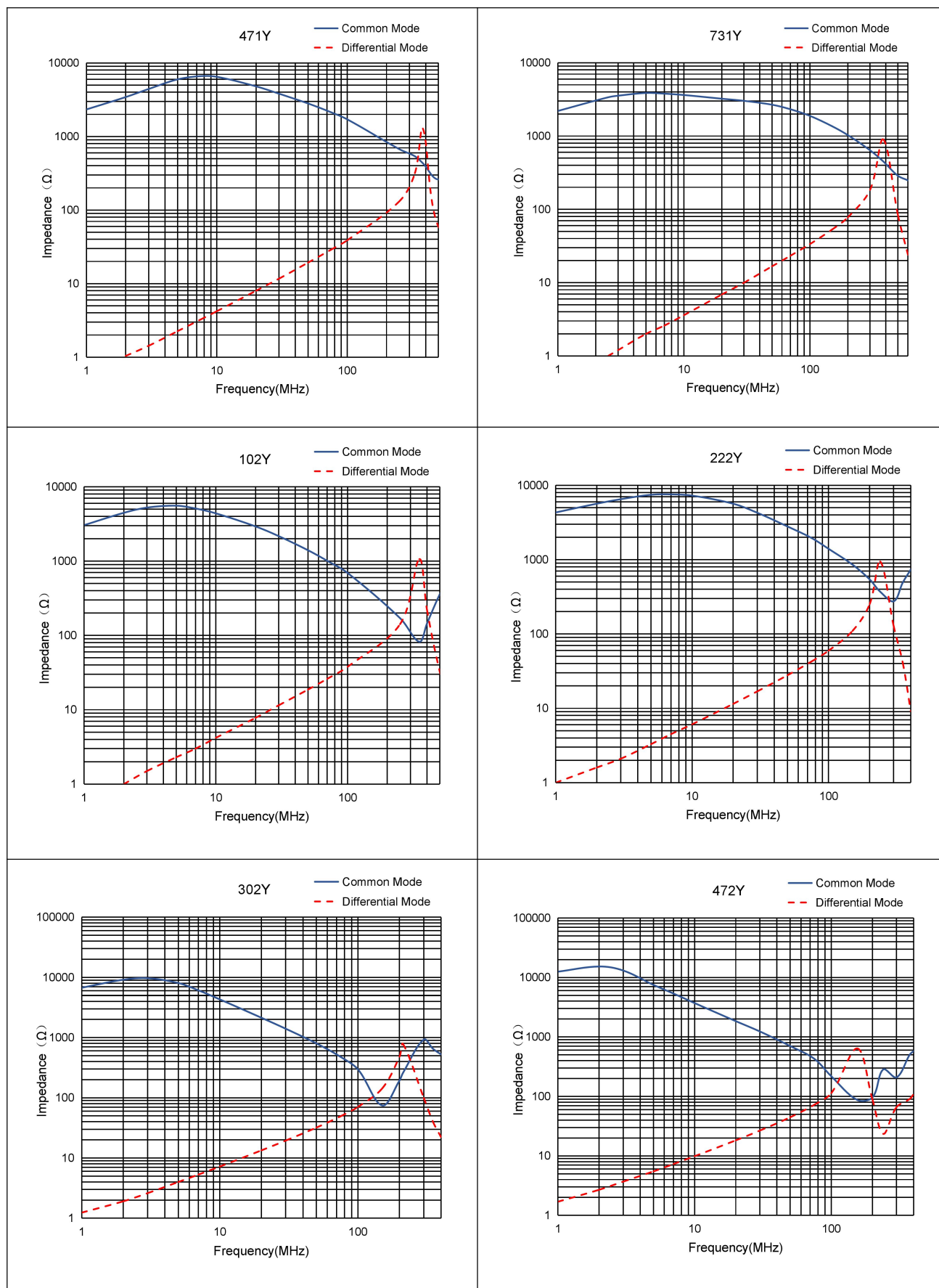
(4).Rated current: the value of DC current when the temperature rise is AT40°C (Ta=25°C).

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

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

5.Impedance vs Frequency Curv



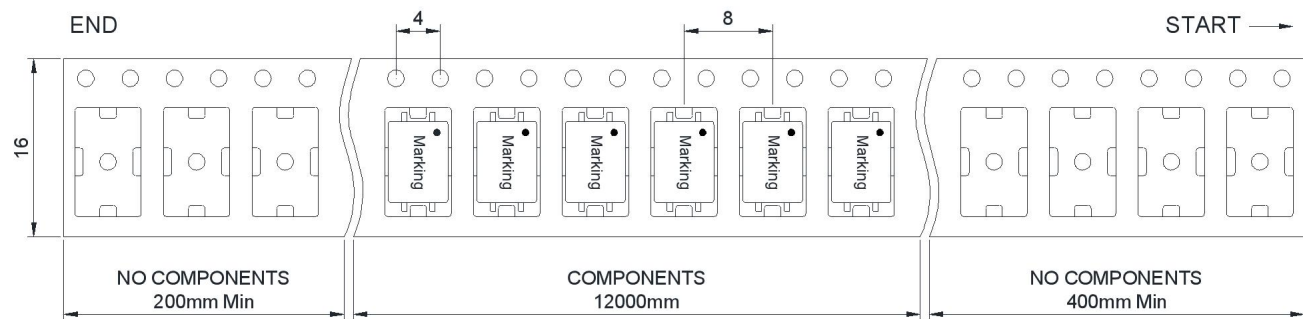


6.Material list

No.	ITEM	DESCRIPTION
1	CORE	FERRITE
2	CASE	DAP&C5191
3	WIRE	P180 G1
4	ADHESIVE	E962
5	TIN	Sn100%

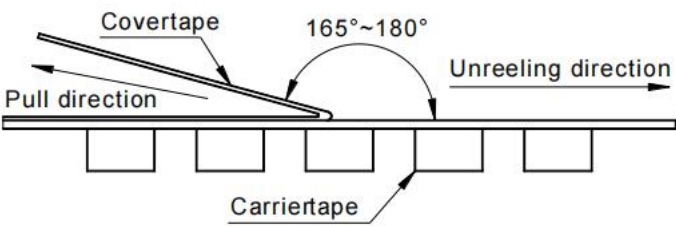
7.Packing Specification

(1).Tape Direction (mm)

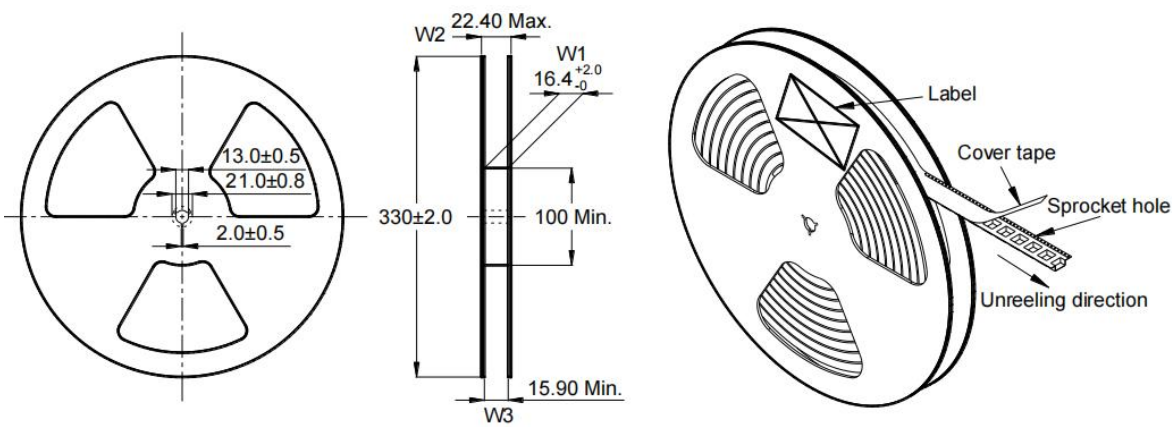


(2).Cover Tape Peel Off Condition

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



(3). Reel Dimensions (mm)



(4).Carton Dimensions and Packing Quantity

■ Inner Carton: 340x340x70mm

■ Out Carton: 360x360x240mm

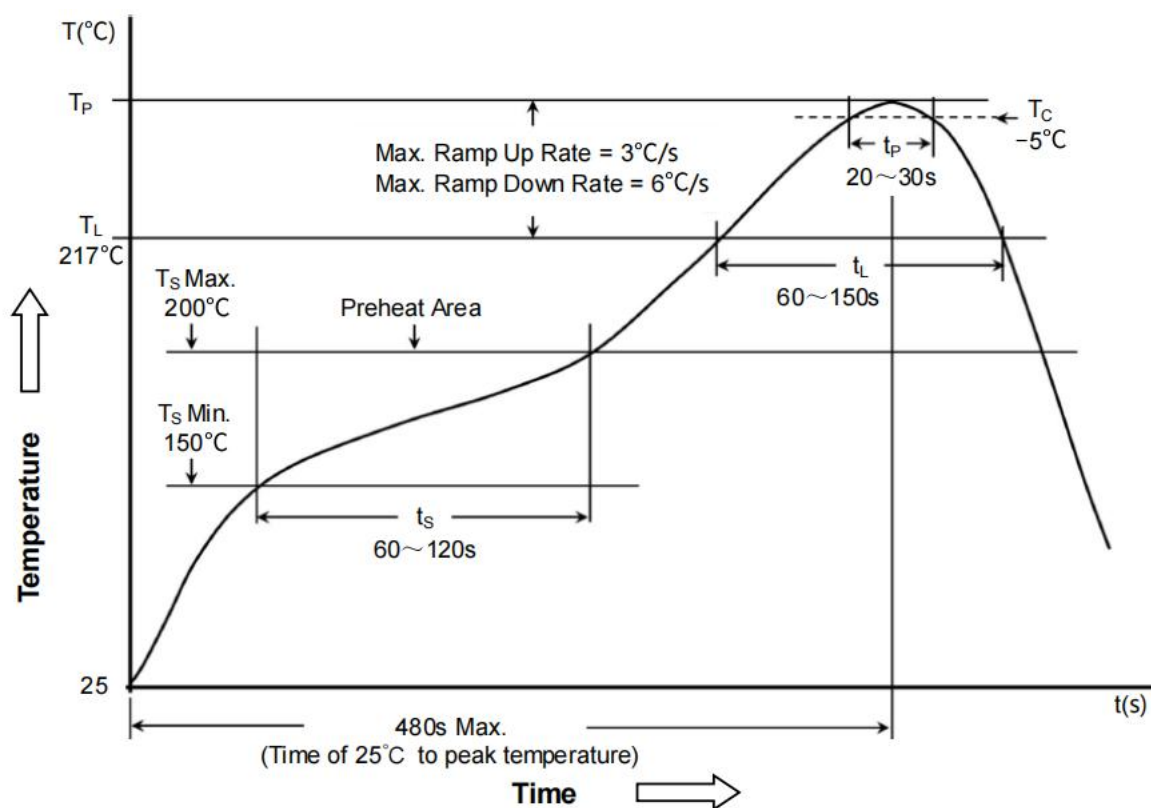
Product Series	Quantity / Reel	Inner Carton Quantity	Out Carton Quantity
SCM0904	1000pcs	(1000x3) = 3000pcs	(3000x3) = 9000pcs

(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 (T_P)

	Package Thickness	Package Volume		
		$<350 \text{ mm}^3$	$350\sim2000 \text{ mm}^3$	$>2000 \text{ mm}^3$
PB-Free Assembly	$<1.6\text{mm}$	260°C	260°C	260°C
	$1.6\sim2.5\text{mm}$	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.