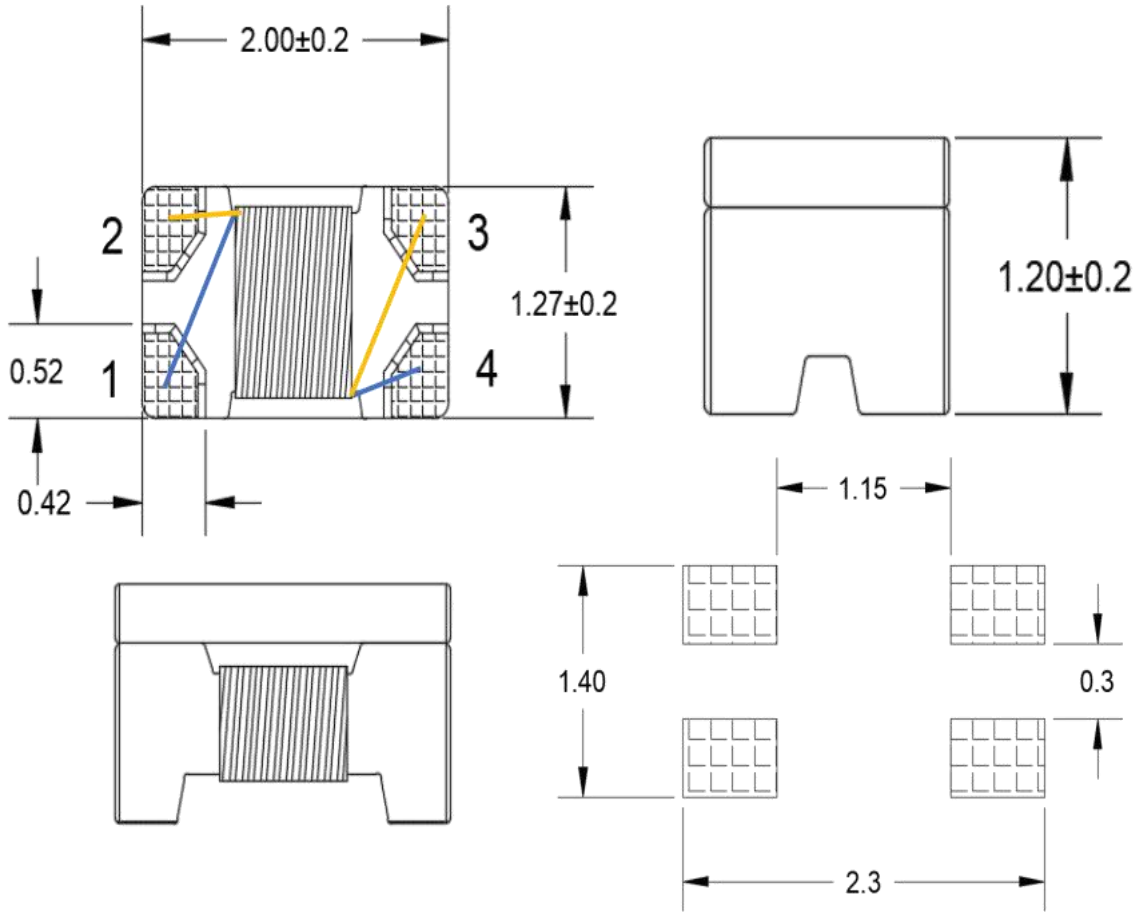


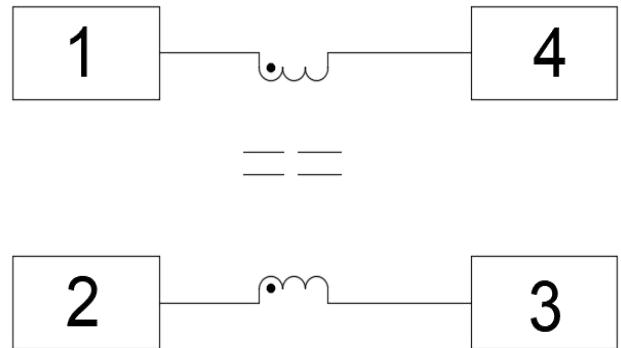
A. MECHANICAL (unit:mm)



Recommended PC Board Pattern

S CM 2012 N F 801 T
A B C D E F G

B. SCHEMATICS



- A: Series
- B: Common Mode Choke
- C: Dimension 2.0x1.2
- D: Material Ferrite Core
- E: Leadfree
- F: Impedance 801=800 Ω
- G: Packaging T=Taping and Reel



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C.Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. SCM2012NF-801T series realizes small size and low profile. 2.0x1.2x1.2 mm
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. OPERATING TEMPERATURE: -40°C ~ $+85^{\circ}\text{C}$ (Including self -temperature rise)
5. Storage temperature range: 0°C to $+30^{\circ}\text{C}$

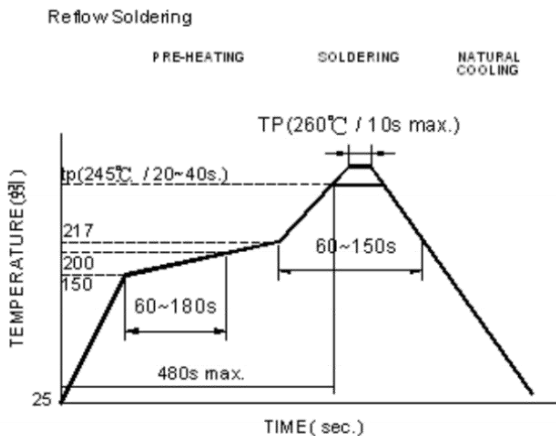
D. ELECTRICAL SPECIFICATIONS @25°C

ShunWei Part Number	Turns Ratio $\pm 3\%$ 1-4T02-3	Common Mode impedance(Ω) at 100MHz 1:4, 2:3	DC Resistance (Ω)Max 1:4, 2:3	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω)Min 50Vdc 3s 1mA 1-4T02-3
SCM2012NF-900T	1:1	$90 \pm 25\%$	0.3	500	50	125	10M
SCM2012NF-121T	1:1	$120 \pm 25\%$	0.35	300	50	125	10M
SCM2012NF-261T	1:1	$260 \pm 25\%$	0.59	220	50	125	10M
SCM2012NF-381T	1:1	$380 \pm 25\%$	0.59	300	50	125	10M
SCM2012NF-601T	1:1	$600 \pm 25\%$	0.8	300	50	125	10M
SCM2012NF-801T	1:1	$800 \pm 25\%$	0.88	300	50	125	10M

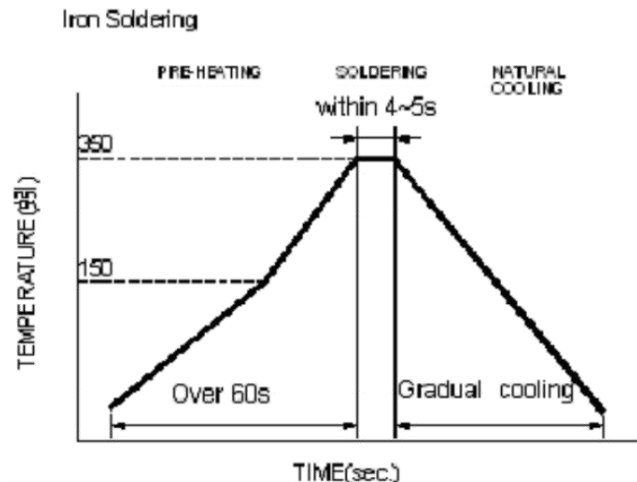
E. RECOMMEND REFLOW SOLDERING CURVE

1. Lead Free Solder re-flow

2 Soldering Iron



Reflow times: 3 times max.



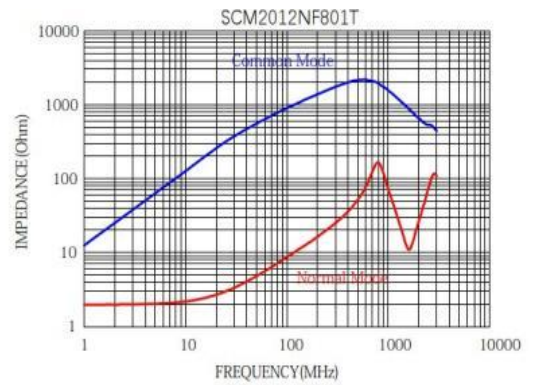
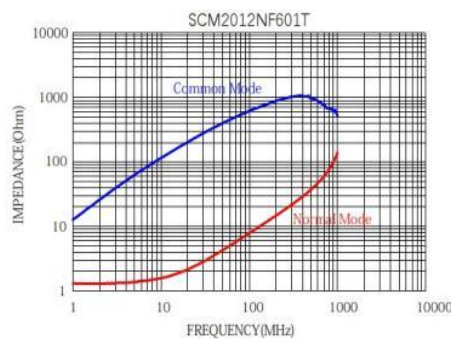
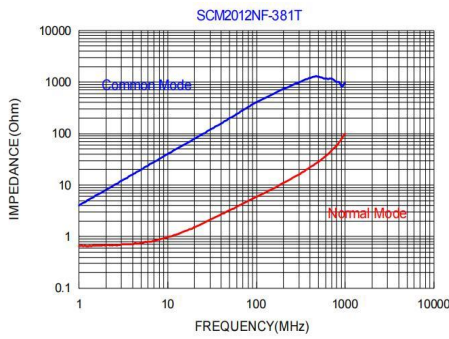
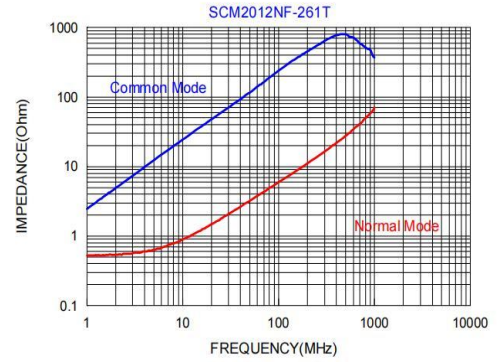
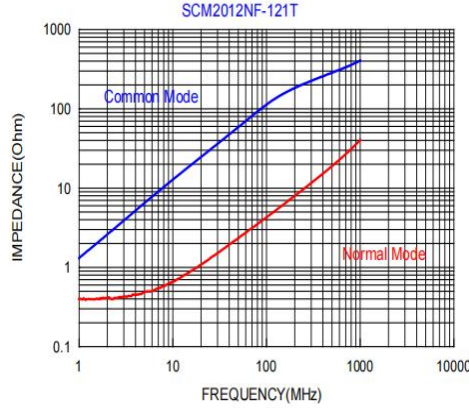
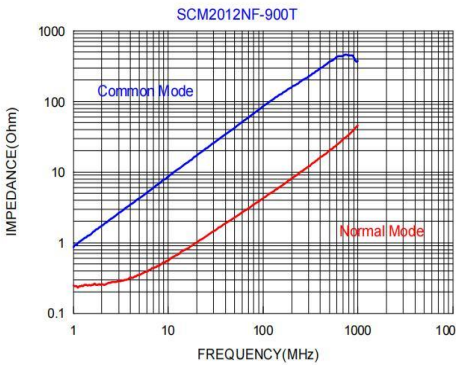
Iron Soldering times: 1 times max.



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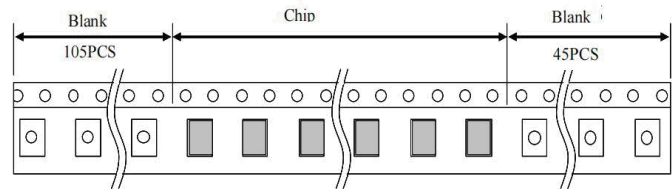
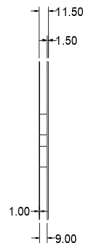
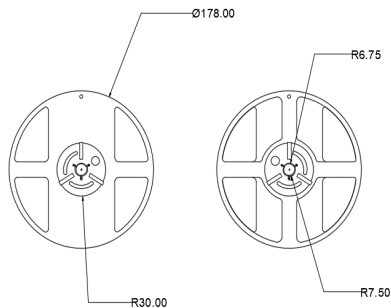
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F. Typical Impedance v.s. Frequency Curve



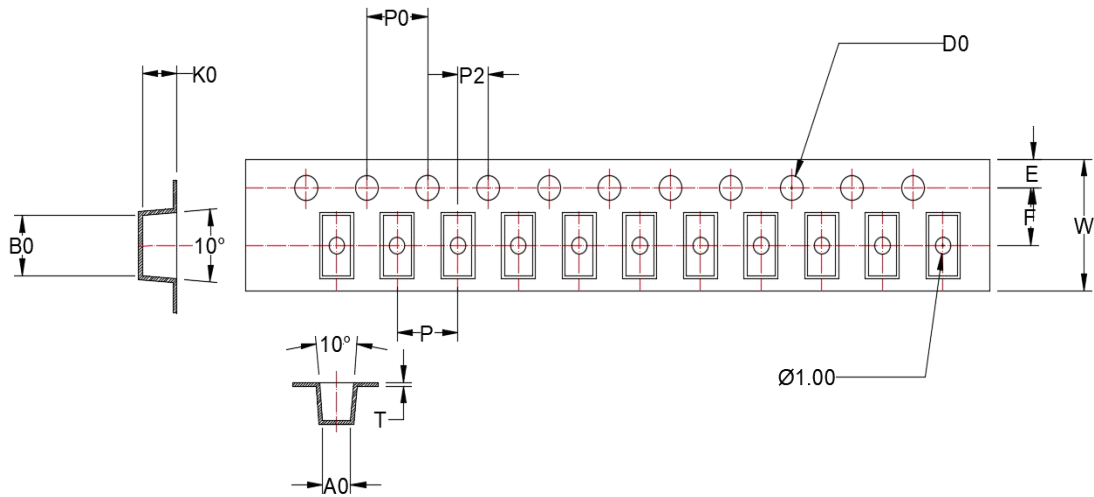
G. PACKAGE INFORMATION

1. TAPE AND REEL SPECIFICATIONS



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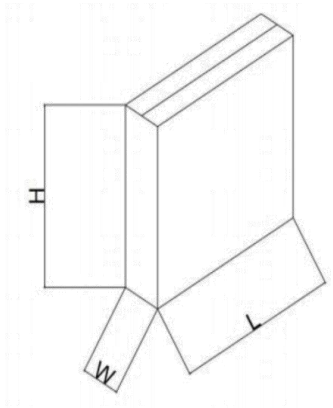
Dongguan Shunwei Semiconductor Co. , Ltd.



ITEM	W	A0	B0	K0	E	F	D0	P0	P	P2	T
DIM	8.0	1.45	2.35	1.50	1.75	3.50	1.50	4.00	4.00	2.00	0.25
TOLE	± 0.30	± 0.05	± 0.05	± 0.05	± 0.10	± 0.10	± 0.10	± 0.10	± 0.10	± 0.10	± 0.05

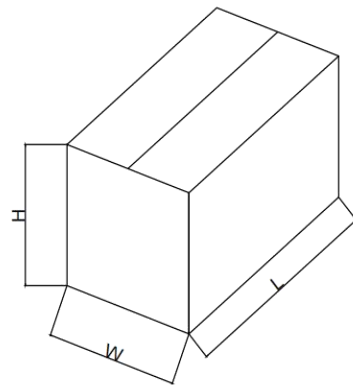
2. PACKAGE SPECIFICATIONS

Inner Carton



L (mm)	w (mm)	H (mm)
187 ± 2	73 ± 2	187 ± 2

Export Carton



L (mm)	w (mm)	H (mm)
385 ± 2	207 ± 2	207 ± 2