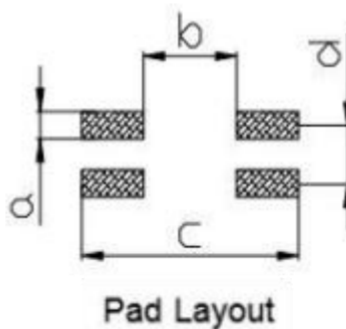
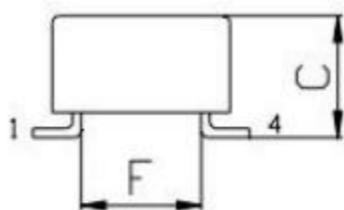
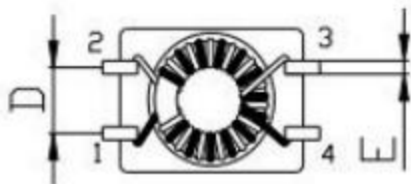
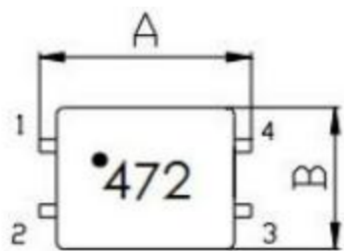


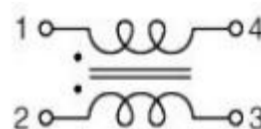
Common Mode Chokes

一. DIMENSION (UNIT : mm)



A	9.5 Max
B	5.6 Max
C	5.2 Max
D	2.54 Typ
E	0.50 Typ
F	5.50 Typ
a	1.00 Typ
b	4.50 Typ
c	10.5 Typ
d	2.54 Typ

二. CIRCUIT DIAGRAM



三. ELECTRICAL CHARACTERISTIC

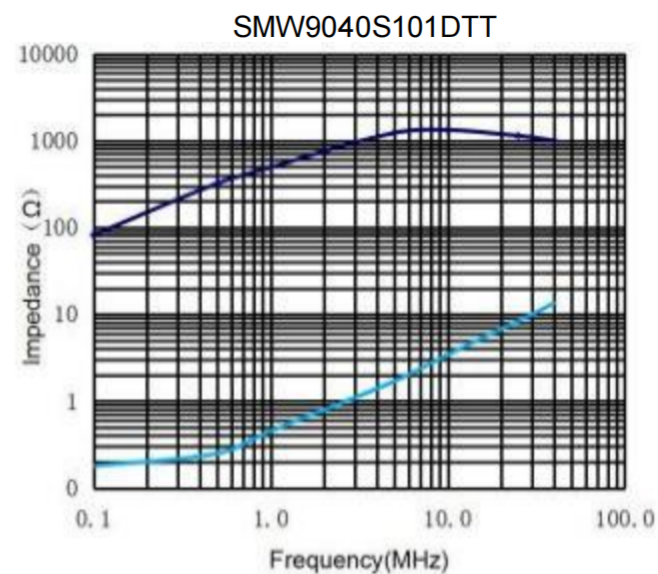
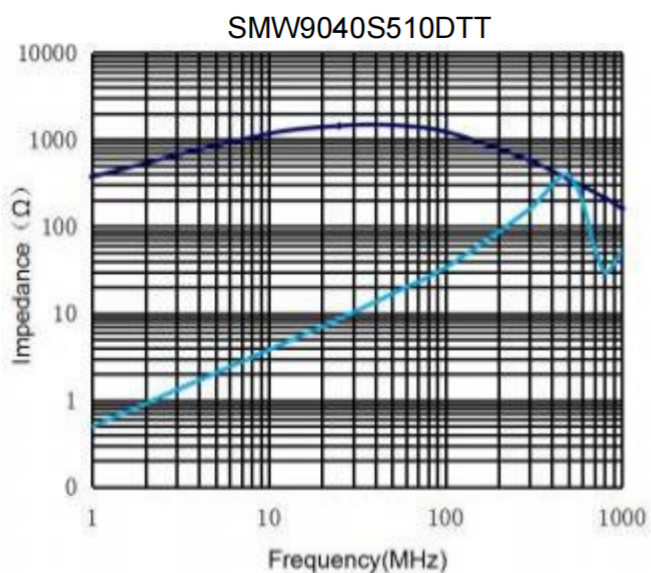
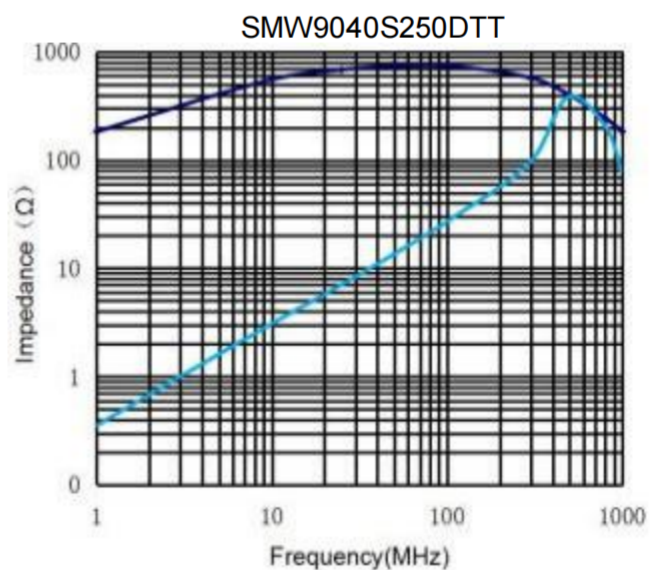
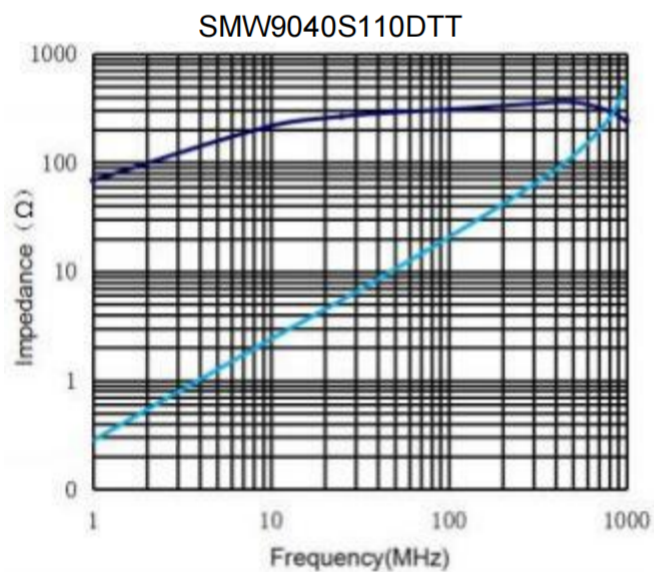
Part Number	Inductance +50%/-30% @100KHz/0.1V	Leakage Inductance L1-4(2-3short) @100KHz/0.1V	DC Resistance (mΩ) Max	Current Rating (A)	Impedance (Ω) Min	Freq. range (MHz)	Rated Volt. (Vdc)Max.
SMW9040S110DTT	11 uH	0.08 uH Typ	120	0.5	160	20-300	50V
SMW9040S250DTT	25 uH	0.15 uH Typ	200	0.5	450	20- 150	50V
SMW9040S510DTT	51 uH	0.20 uH Typ	300	0.5	800	20- 100	50V
SMW9040S101DTT	100 uH	0.25 uH Typ	100	0.5	600	3-20	50V
SMW9040S471DTT	470 uH	0.28 uH Typ	280	0.5	1200	2- 15	50V
SMW9040S102DTT	1000 uH	0.28 uH Typ	300	0.5	1800	1- 10	50V
SMW9040S222DTT	2200 uH	0.29 uH Typ	400	0.5	3000	0.8-5	50V
SMW9040S472ATT	4700 uH	0.30 uH Typ	700	0.2	5000	0.5-3	50V

(1).Rated Current: Temp.rise 40°C Typ

(2).Operating Temperature: -20°C up to +80°C

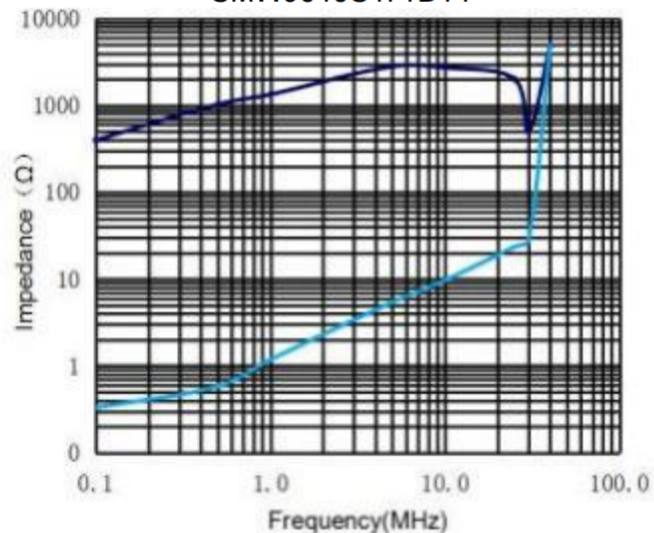
(3).Storage Temperature: -20°C up to +40°C, 75% RH max.

四.CHARACTERISTICS(REFERENCE)

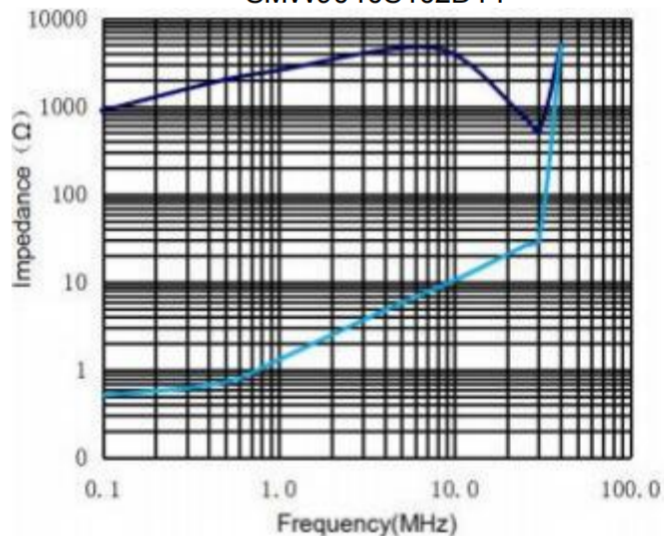


— Common Mode
— Differential Mode

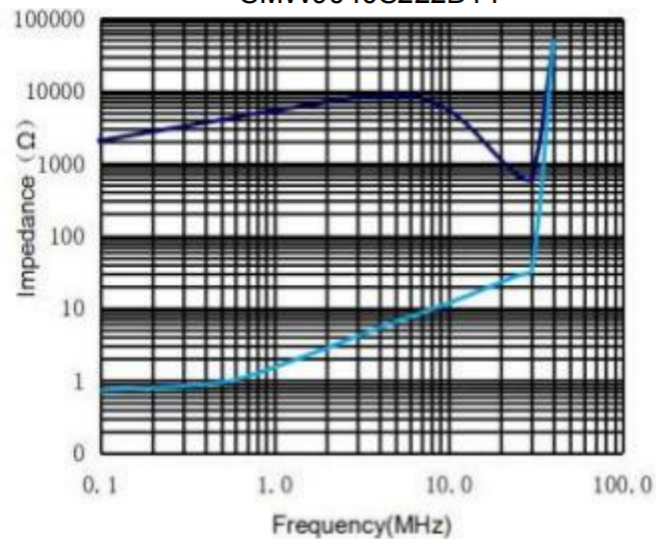
SMW9040S471DTT



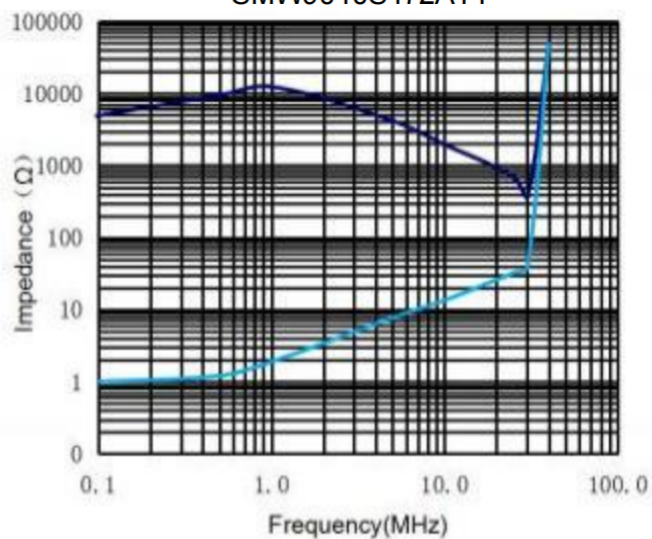
SMW9040S102DTT



SMW9040S222DTT



SMW9040S472ATT

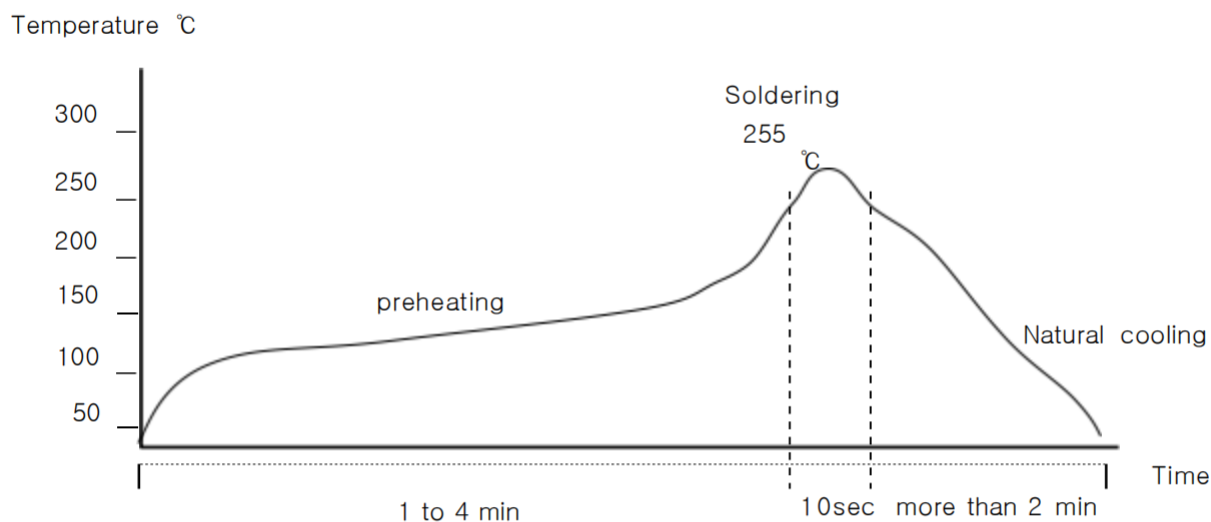


—●— Common Mode
—●— Differential Mode

五. RELIABILITY TESTING

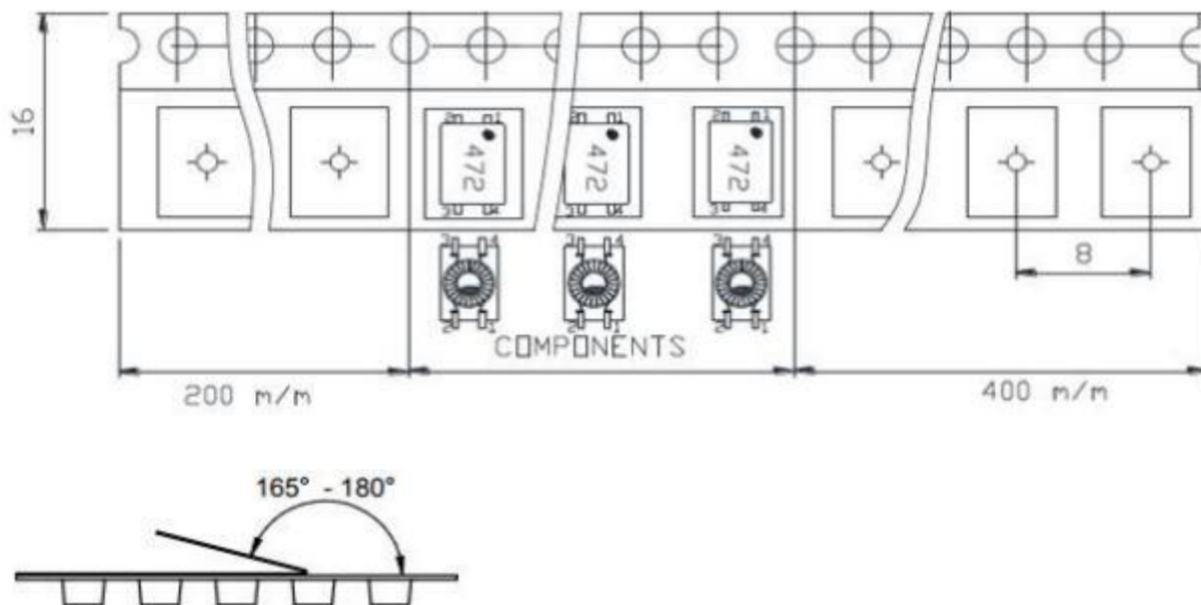
Operating Temperature	- 40 to +125 °C (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off. (Refer to figure at right)
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C (- 40~ + 125 °C)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C and 1 hours drying under normal condition
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal	

IR Reflow profile



Temperature and humidity . After that , no mechanical and electrical defect should be found .

六.PACKING SPECIFICATIONS



Part No.	Tape width	Distance	Pull-of force	Packing Quantity
SMW9040S Series	16mm	8mm	10~120g	1500PCS/R