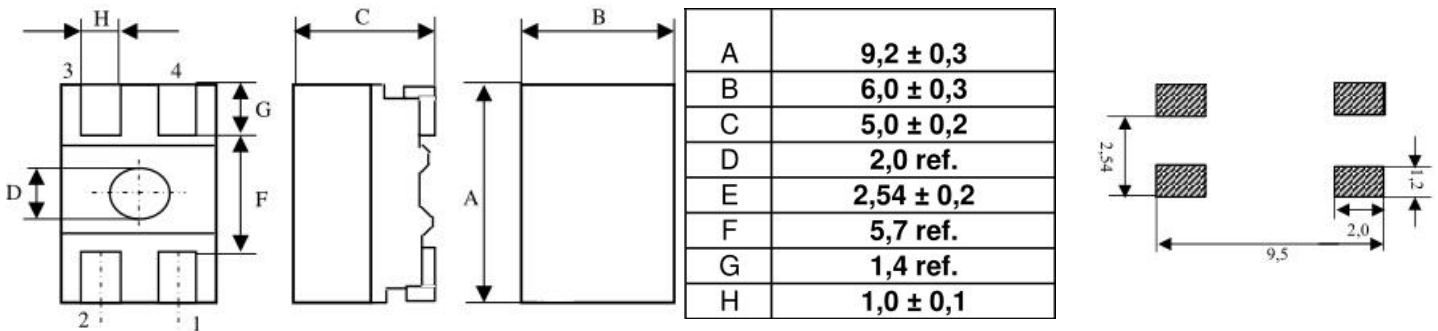


EXTERNAL DIMENSIONS

(Unit: m/m)



Part Number	L_{uH}	Test Conditions	R_{DC} (Max)	Impedance Common Mode (Max)	I_{DC} (Max)	V_{DC} Rated	Hi-Pot Test
SMCM090605-100	10 ± 30%	1KHz, 0.10V	0.08 Ω	920 Ω @ 100MHz	1.6A	80V	500VAC 60Hz, 3mA, 3Sec
SMCM090605-250	25 ± 30%	1KHz, 0.10V	0.12 Ω	2800 Ω @ 20MHz	1.0A		
SMCM090605-400	40 ± 30%	1KHz, 0.10V	0.25 Ω	3100 Ω @ 20MHz	0.9A		
SMCM090605-510	51 ± 30%	1KHz, 0.10V	0.16 Ω	5500 Ω @ 20MHz	1.0A		
SMCM090605-251	250 ± 50%	100KHz, 5mV	0.13 Ω	1800 Ω @ 10MHz	1.2A		
SMCM090605-501	500 ± 50%	100KHz, 5mV	0.15 Ω	3300 Ω @ 20MHz	1.0A		
SMCM090605-102	1000 ± 50%	100KHz, 5mV	0.31 Ω	6000 Ω @ 10MHz	0.8A		
SMCM090605-202	2000 ± 50%	100KHz, 5mV	0.42 Ω	9200 Ω @ 10MHz	0.6A		
SMCM090605-472	4700 ± 50%	100KHz, 5mV	0.75 Ω	20000 Ω @ 2MHz	0.5A		
SMCM090605-652	6500 ± 50%	10KHz, 5mV	0.95 Ω	18400 Ω @ 2MHz	0.4A		

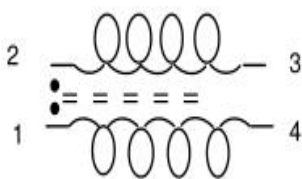
Test Equipment and Conditions

- Inductance measured using HP-4274A meter .
- Impedance measured using E4991 impedance analyzer with HP-16092 test fixture.
- I_{DC} and R_{DC} with HP-34401A meter.
- Operating temperature : -40°C ~ +125°C.
- Ambient temperature : -40°C ~ +85°C.

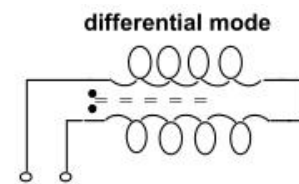
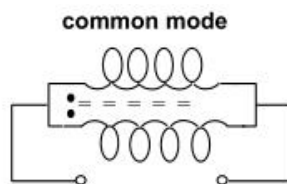
Applications

- Current compensated choke for data and signal lines
- Power supply systems
- Signal and sensor lines
- Suppression for common mode noise
- CAN

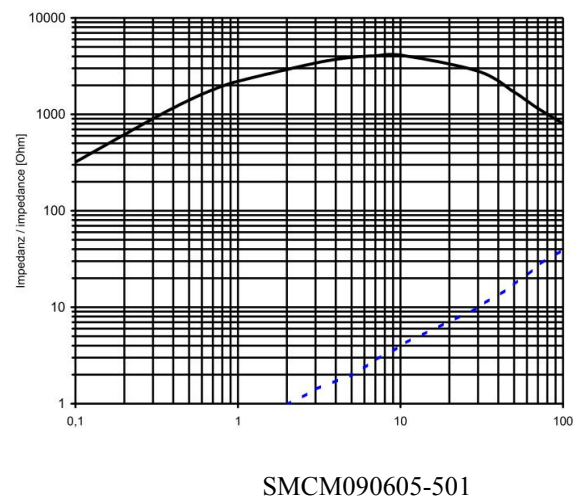
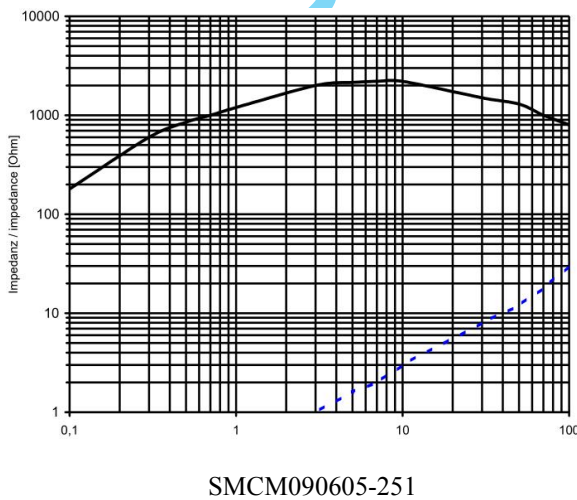
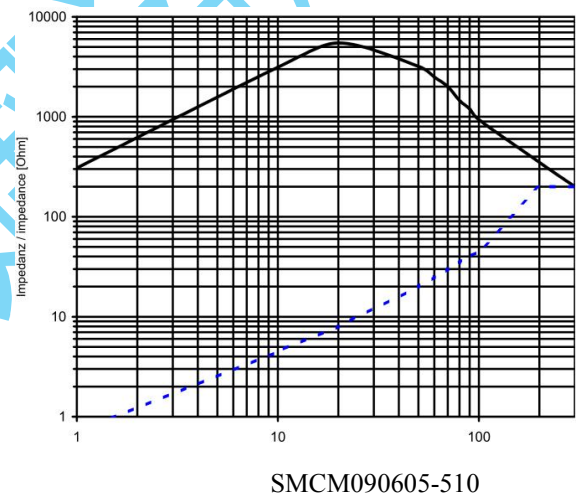
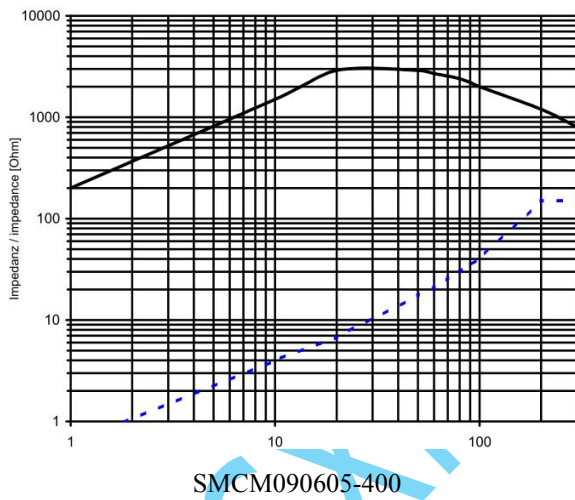
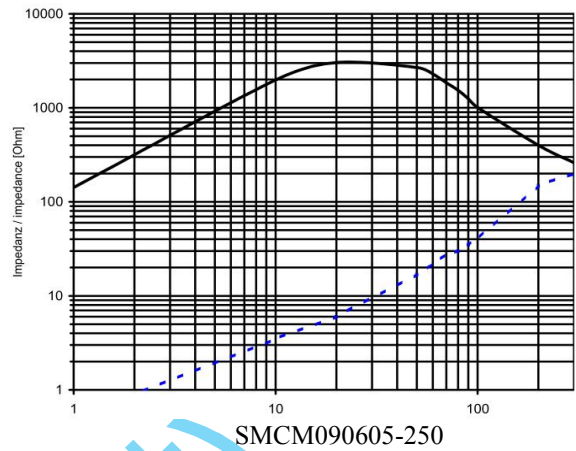
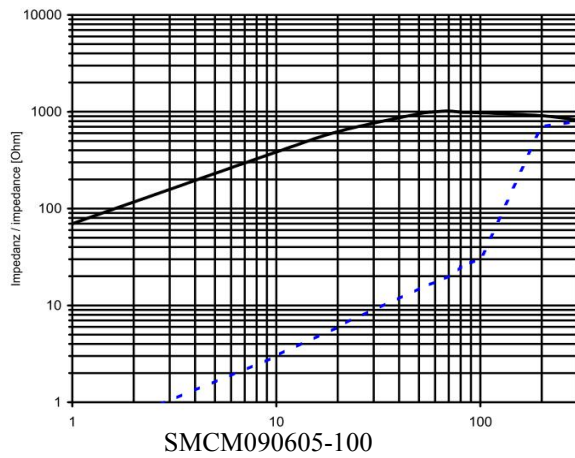
Circuit:



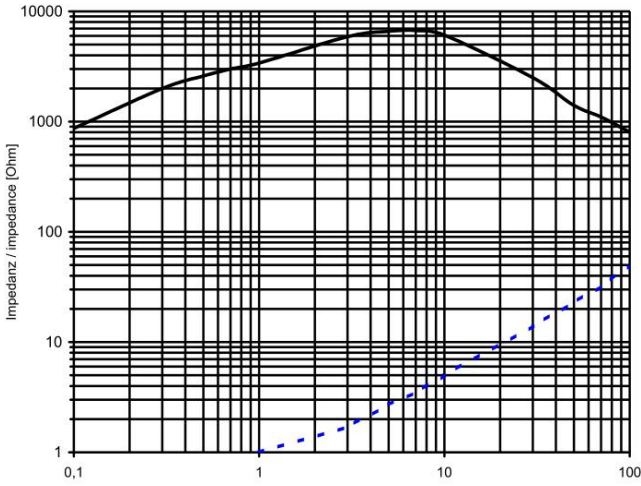
Test Mode:



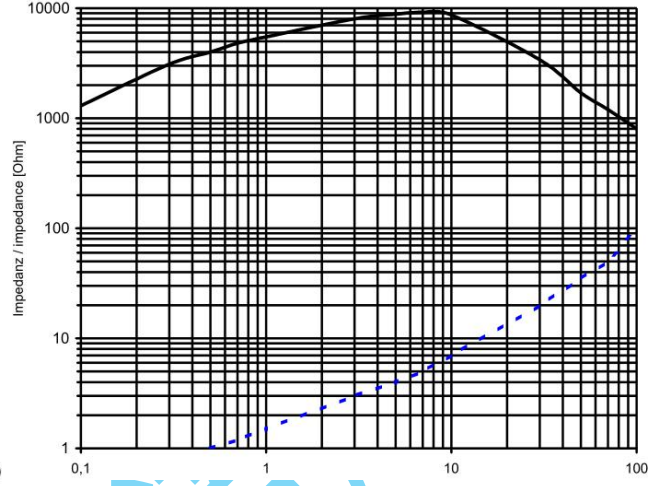
Impedance & Frequency:



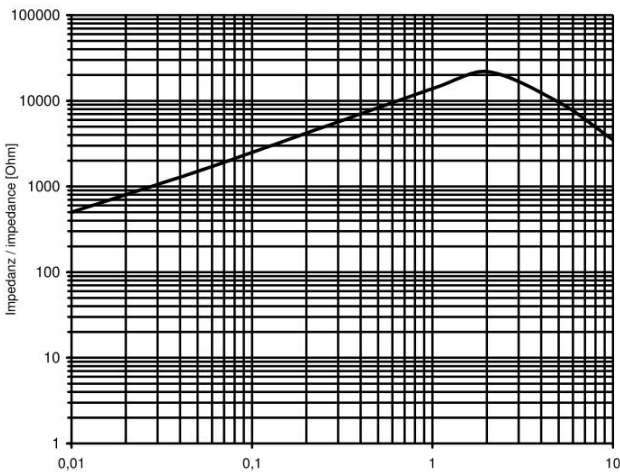
Impedance & Frequency:



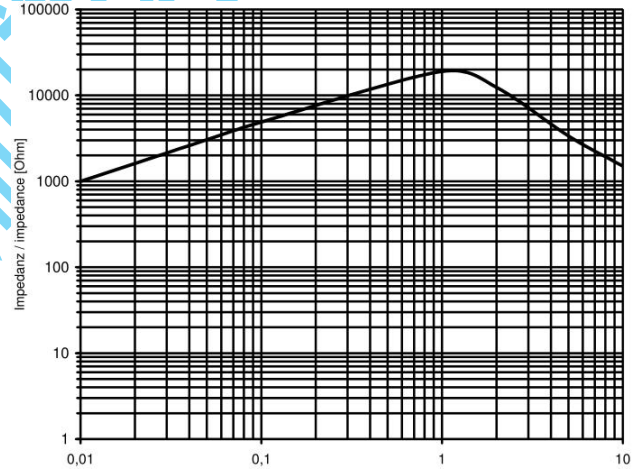
SMCM090605-102



SMCM090605-202

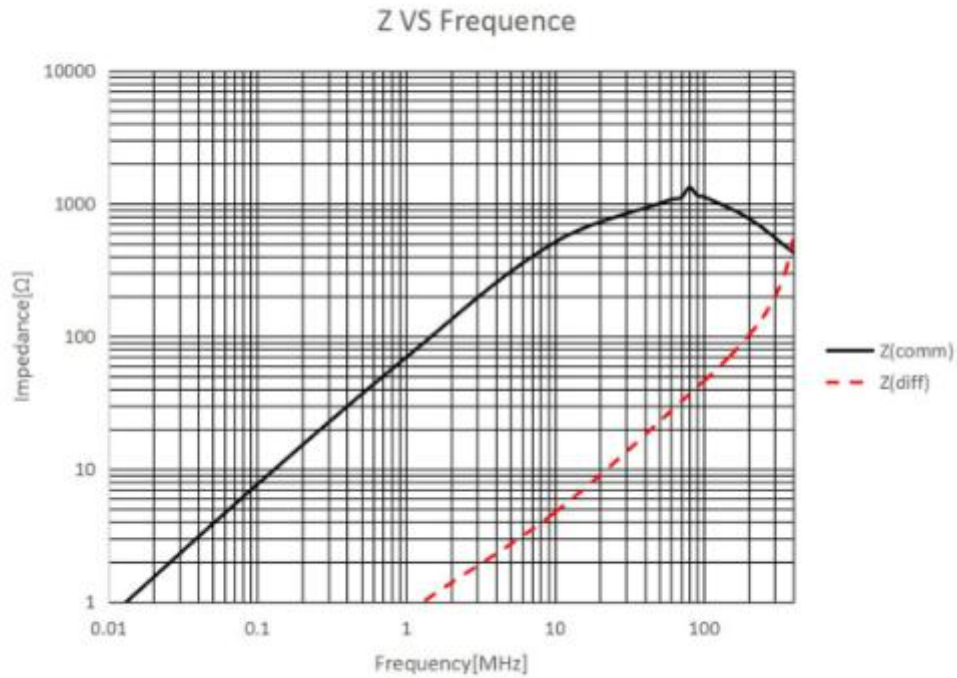


SMCM090605-472



SMCM090605-652

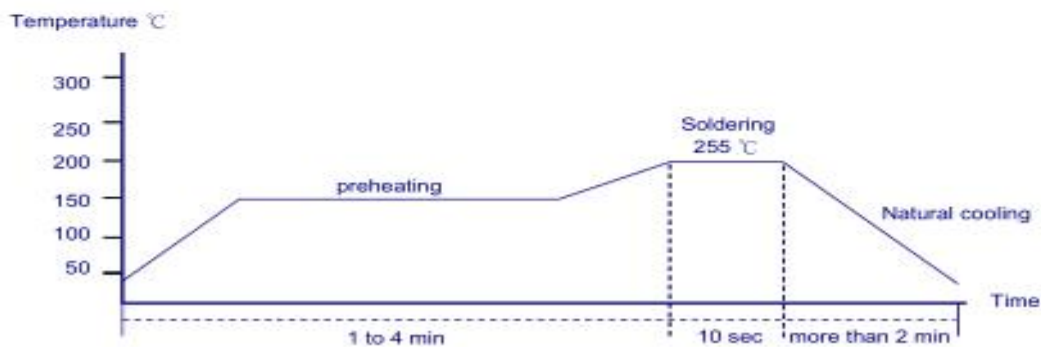
CURVE



Operating Temperature	- 30 to + 100 ℃ (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 / ℃ (- 30 ~ + 100 ℃)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 ℃ and 1 hours drying under normal condition .

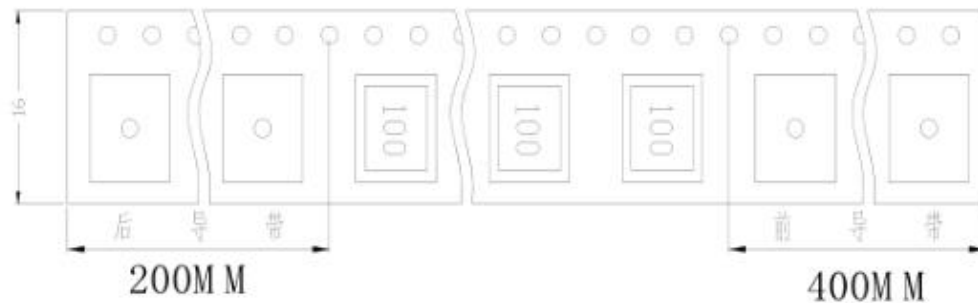
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

IR Reflow profile



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

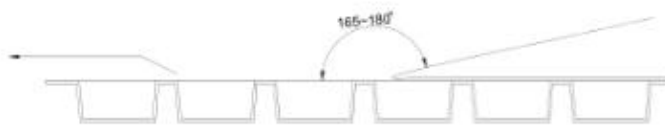
TAPING SPECIFICATIONS

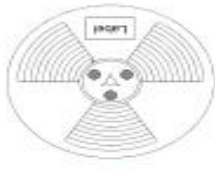
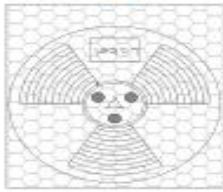
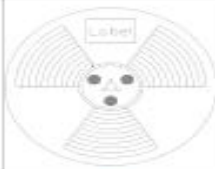



Transparent carrier and cover tape.

Adhesive strength of cover tape is 20 to 120 gf

The conduction band direction



	<p>1、轮盘规格：13" (直径330mm) 数量：1000PCS/盘 作业说明：A. 载带尾部用美纹胶纸固定。</p>
	<p>2、数量：1000PCS/袋。 作业说明：编带检查好的产品装进PE中。</p>
	<p>3、数量：3000PCS/盒 作业说明：标签朝上装入内盒里面，将内盒盖扣好。</p>
	<p>4、数量：15000PCS/箱。 作业说明：A. 先将内、外箱底部封好，内箱装进外箱里面。 B. 将内盒装进内、外箱里面，并用透明胶带封好外箱顶部。 C. 在外箱位置贴一张外箱标签。 D. 当尾数箱不足一整箱时需用内盒或填充物装满。</p>