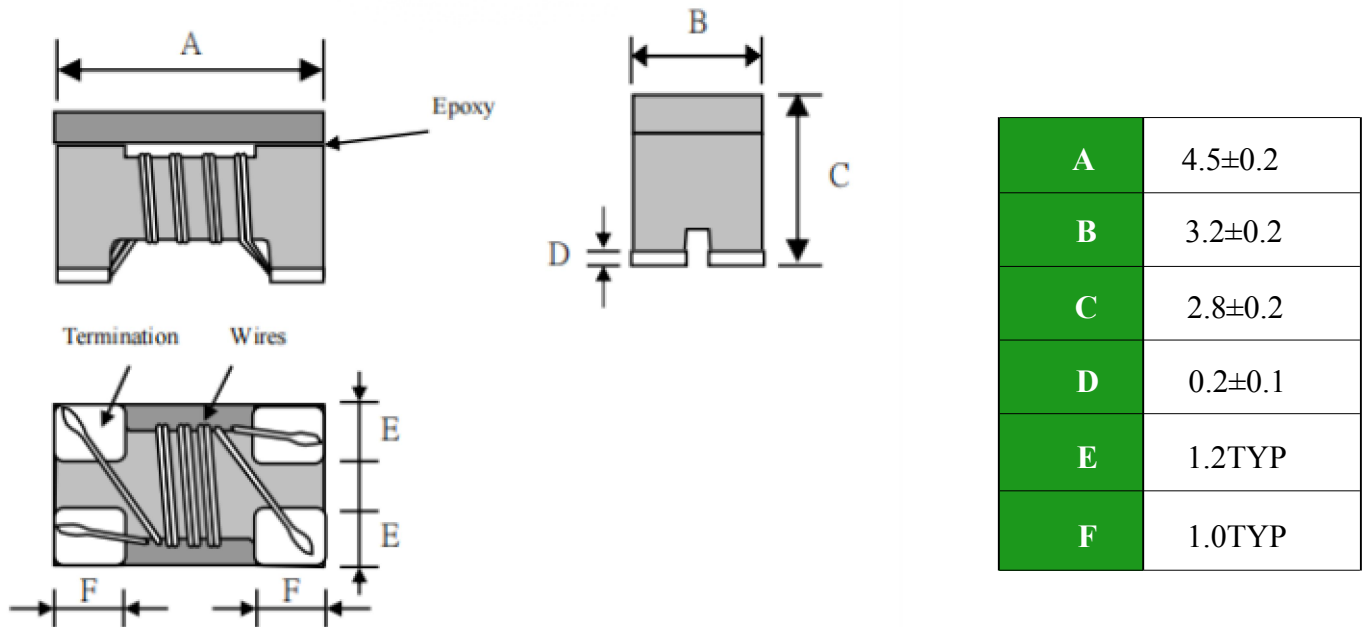
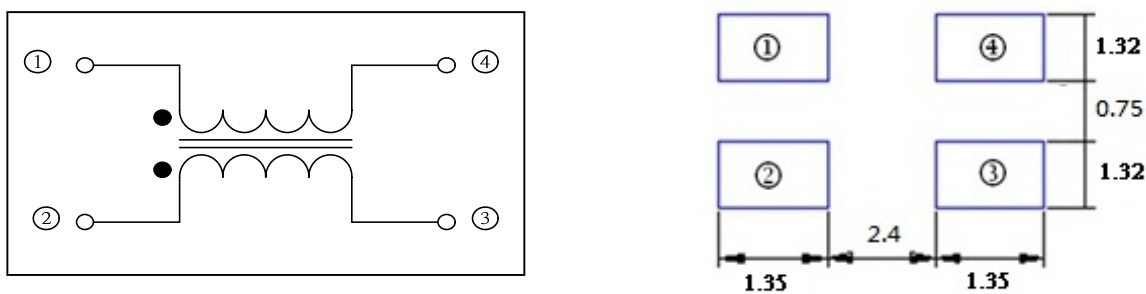
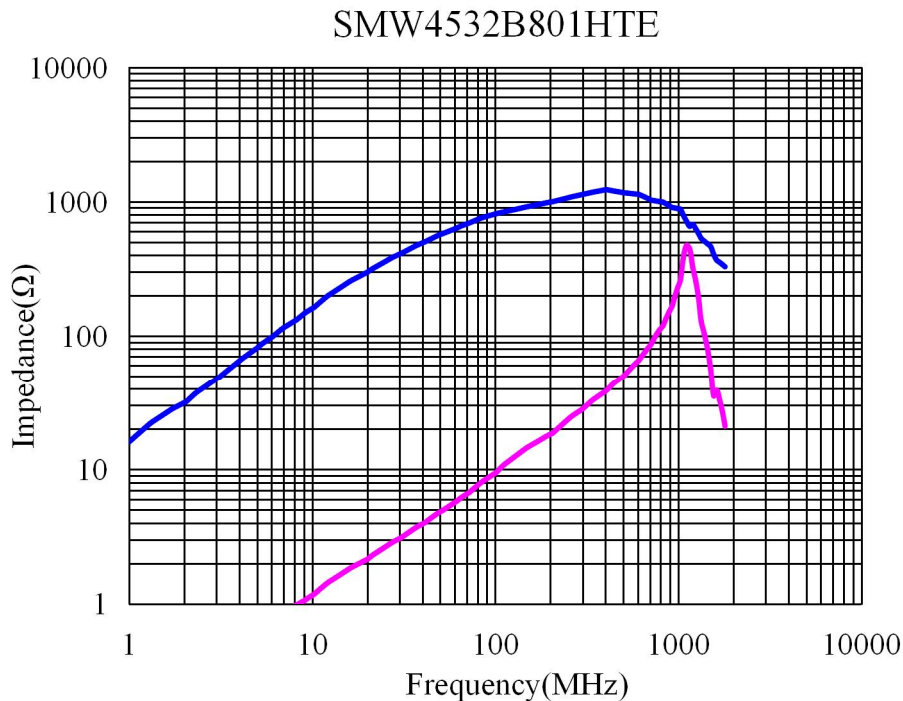


COMMON MODE FILTER
◆ DIMENSIONS:(mm)

◆ RECOMMENDED FOOTPRINT:(mm)

◆ PACKING:
Quantity:500PCS/Reel

◆ ELECTRICAL CHARACTERISTICS:

P/N	Z(Ω)		DCR(Ω)	Rated Current	Rated Voltage	Insulation Resistance
	Common Mode					
	Impedance		[Max]	Idc(A)	Vdc	IR
	At 100MHz			[Max]	(V)Typical	(m Ω)Min
SMW4532B801HTE	800		0.12	1.0	50.0	10.0

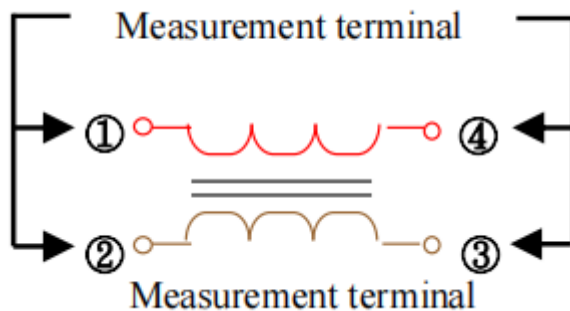
- Operating temperature:-25°C to +85°C
Storage temp and humidity:-40°C to +85°C 70%RH max
Typical heat rating DC current would cause an approximately ΔT of 40°C

◆ PERFORMANCE CURVES:


◆ Test Equipment

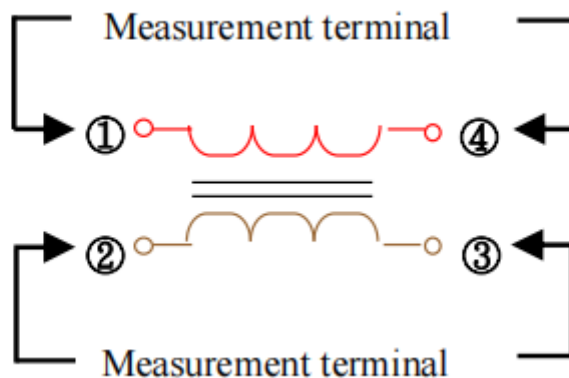
Impedance

Measured by using Agilent 4291A RF Impedance Analyzer



DC Resistance

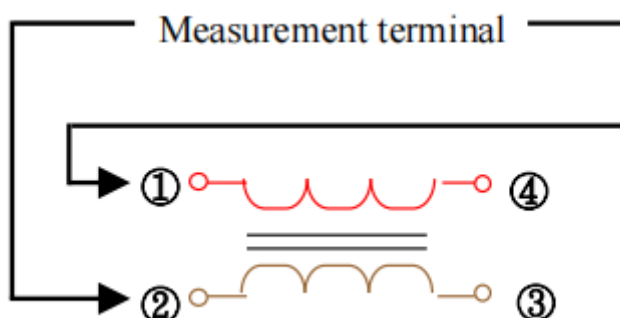
Measured by using Chroma 16502 mill ohm meter

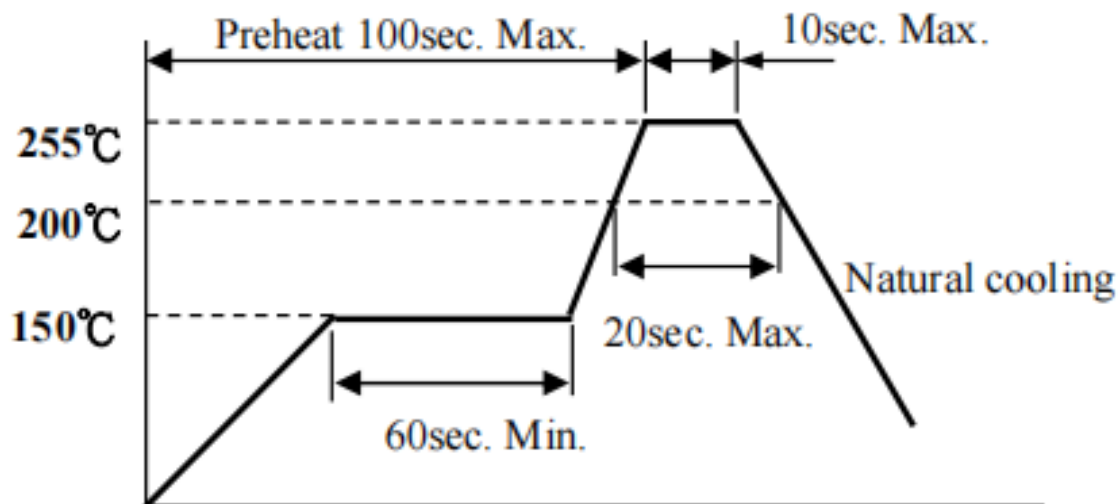


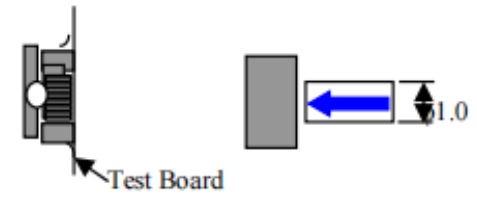
Insulation Resistance

Measured by using Chroma 19073

Measurement voltage:50V Measurement time:60 sec



◆ RECOMMENDED SOLDERING TEMP CRAPH:

◆ MECHANICAL RELIABILITY:

TEST	Specification & Requirement		Method Used
Solderability	The surface of terminal/pin tested shall be covered with new solder by 90%		Solder heat proof Preheating: 150 ±10°C 60 seconds Soldering: 245 ±5°C for 4 ±1 sec
Solder Heat Resistance	Components should have not evidence of electrical and mechanical damage Impedance: within ±15% of initial value		Preheating: 150°C 60secs Solder temperature: 260±5°C Flux: rosin Dip time: 10±0.5 secs
Terminal strength	Series No	F (Kg)	Solder a chip to test substrate and then laterally apply a force in the arrow direction 
	1608	0.5	
	2012	0.5	
	3216	1.0	
	4532	1.0	

◆ ENDURANCE RELIABILITY:

TEST	Specification & Requirement	Method Used
Thermal Shock	Impedance change within $\pm 15\%$ Without mechanical damage	-65°C, (30 mins) -> room temp. (2 mins) -> 125°C, (30 mins) -> room temp. (2 mins) 50 cycles
Humidity Resistance	Impedance change within $\pm 15\%$ Without mechanical damage	Apply IDC current @ 60°C ambient Humidity: 90% Duration: 168 hrs
Low Temp. Storing	Impedance change within $\pm 15\%$ Without mechanical damage	Storing Temp. -40 ± 2 °C for total 168 +5/-0 hours
High Temp. Storing	Impedance change within $\pm 15\%$ Without mechanical damage	Storing Temp. 125 ± 2 °C for total 168 +5/-0 hours