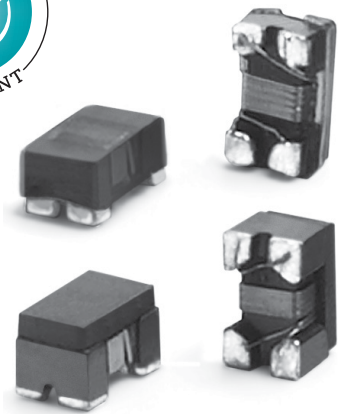


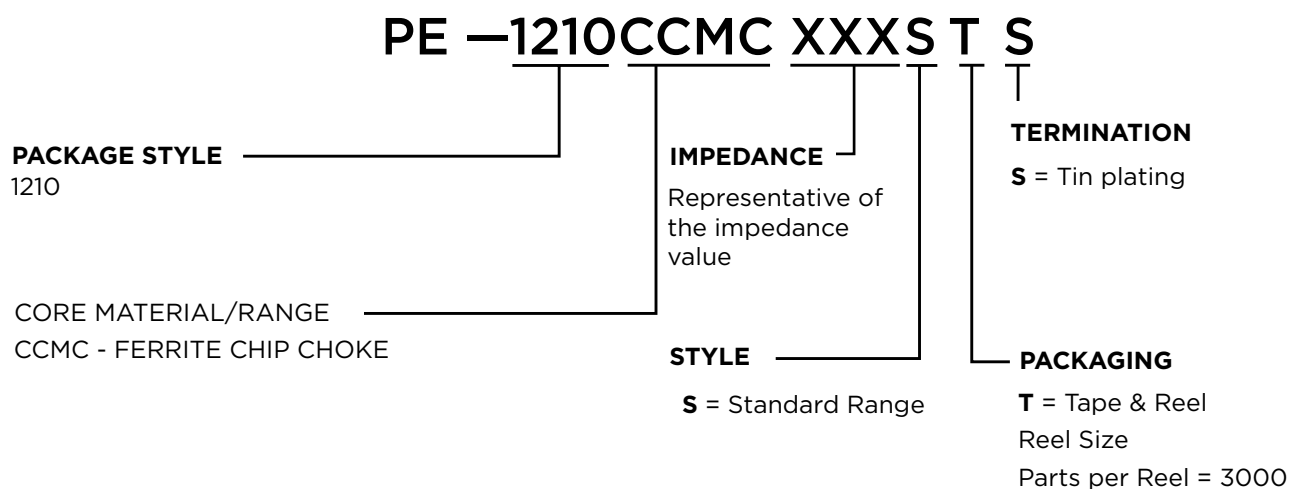
# SMD CHIP CHOKES

Wire-Wound Series



- Wire wound Ferrite 1210 (3225) core
- Common Mode Noise suppression without attenuating the signal
- Magnetically shielded for low Rdc and High Current
- Perfect for USB2.0/3.0, IEEE1349 Fire wire and other LVDS lines
- Ideal for DC voltage supply lines for Power over Ethernet -PoE/PoE+

## PART NUMBER LEGEND

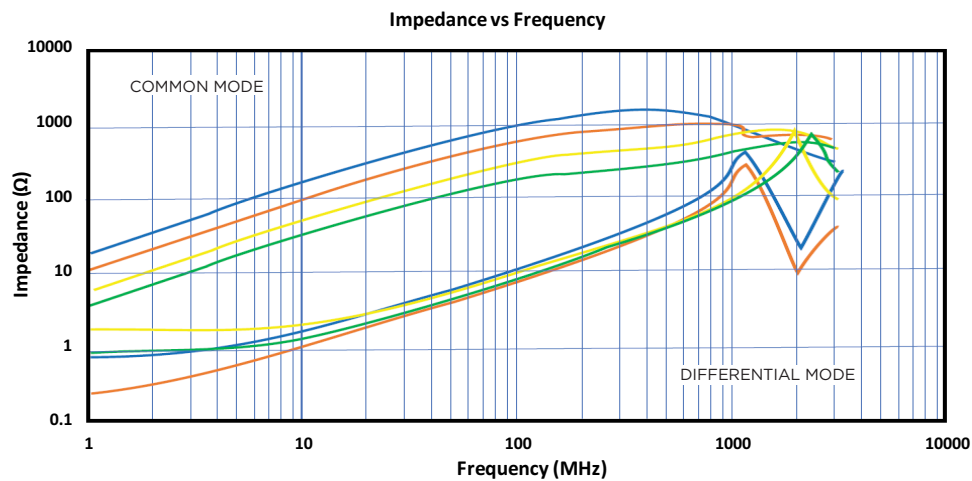
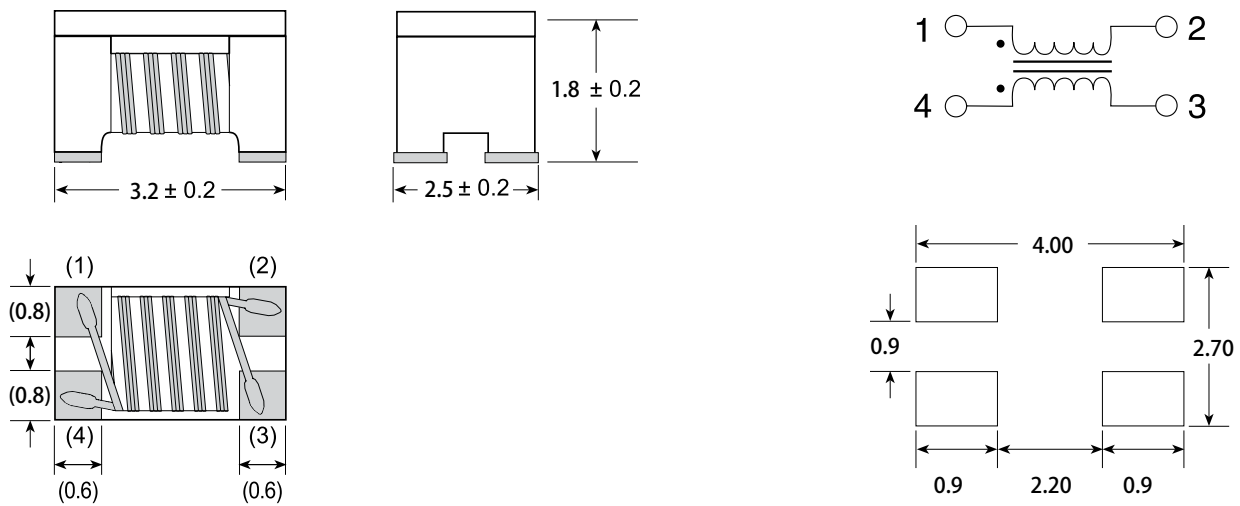


## SPECIFICATION

Electrical Specifications @ 25°C

Part Number (25%)	Common Mode Impedance @ 100MHz (Ω)	DC Resistance (Ω MAX)	Rated Voltage (Vdc)	Rated Current (mA MAX)	Withstanding Voltage (Vdc)	Insulation Resistance (MΩ MIN)
PE-1210CCMC161STS	160	0.15	50	680	125	10
PE-1210CCMC271STS	270	0.25	50	640	125	10
PE-1210CCMC601STS	600	0.12	50	1000	125	10
PE-1210CCMC102STS	1000	0.35	50	480	125	10

## Mechanical



**PRODUCT KEY**

- PE-1210CCMC161STS
- PE-1210CCMC271STS
- PE-1210CCMC601STS
- PE-1210CCMC102STS

## PERFORMANCE TESTING

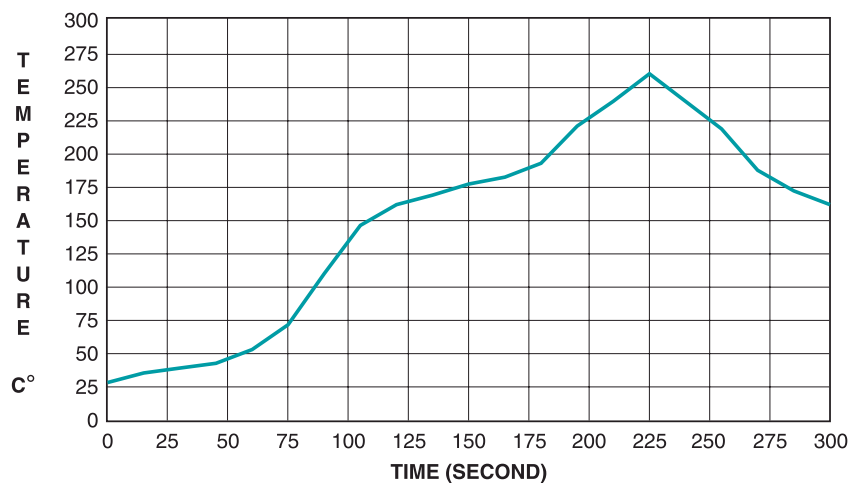
### Electrical Testing

<b>Storage and Operating Temperature Range:</b>  -40° to +85°C	Inductors are subjected to the extremes for 48 hours.  Then tested at 25°C	There shall be no deformation or change in appearance  Inductance shall not change by more than ±5%  Q values shall not change by more than ±10%
<b>Thermal:</b>  -40° to +85°C	Inductors are subjected to 30 cycles for 30 minutes at each extreme.  Then tested at 25°C	
<b>Moisture Resistance</b>	Inductors are subjected to 10 cycles of 24 hours at 70°C with 90 to 95% Relative Humidity  Then tested at 25°C	
<b>Operating Life</b>	Inductors are subjected to 1000 hours at 85°C with 85% Relative Humidity with the rated current applied	There shall be no Damaged, Open or Shorted Windings

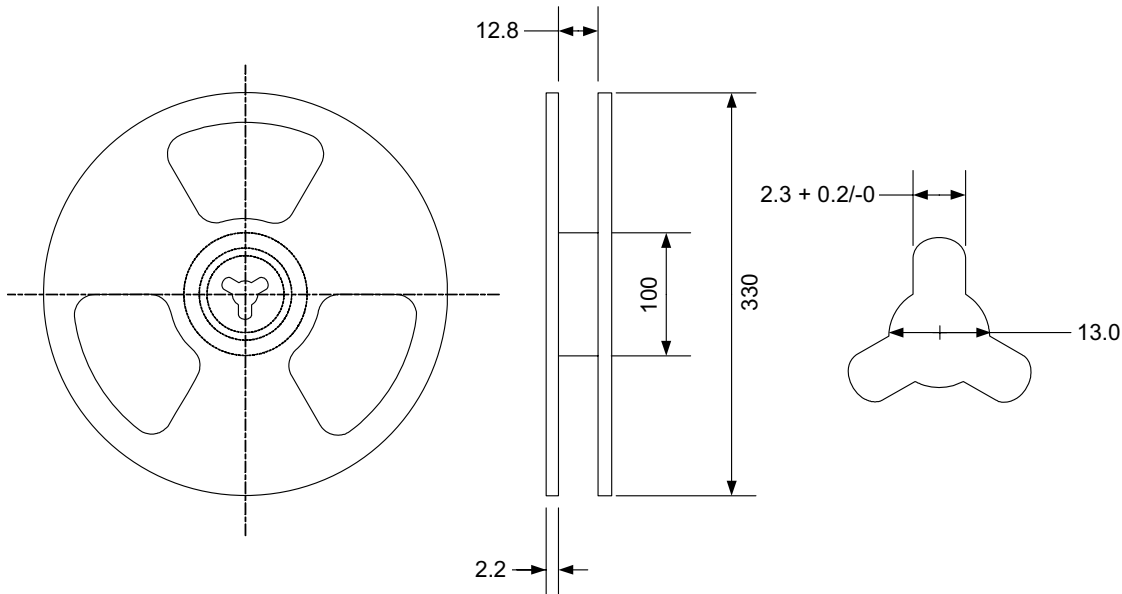
### Mechanical Testing

<b>Temperature Range:</b>	Inductors are subjected to the following:  Use a solder pot at 260C, with RMA Flux. Each termination is immersed in 63Sn/37Pb molten solder for 4 to 6 seconds.	There shall be no deformation or change in appearance  Inductance shall not change by more than ±5%  Q values shall not change by more than ±10%
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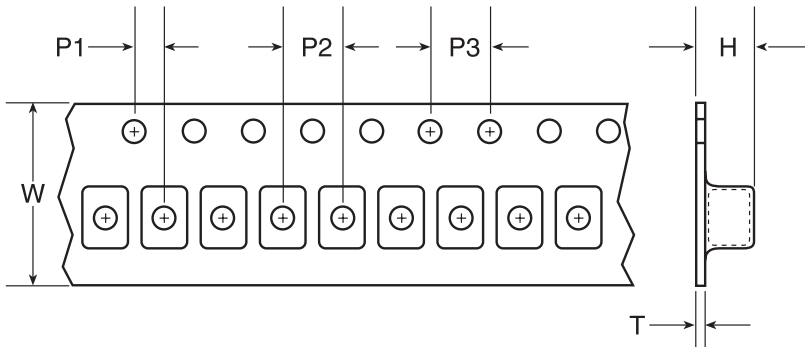
**Recommended Solder Heat Resistance Profile**



TAPE AND REEL SPECIFICATIONS



Series	Parts per Reel	Tape Dimensions (mm)					
		W	P1	P2	P3	H	T
1210CCMC	3000	12	2	8	4	2.3	0.3



For More Information:

Americas - [prodinfo@networkamericas@pulseelectronics.com](mailto:prodinfo@networkamericas@pulseelectronics.com) | Europe - [comms@apps-europe@pulseelectronics.com](mailto:comms@apps-europe@pulseelectronics.com) | Asia - [prodinfo@networkapac@pulseelectronics.com](mailto:prodinfo@networkapac@pulseelectronics.com)

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