

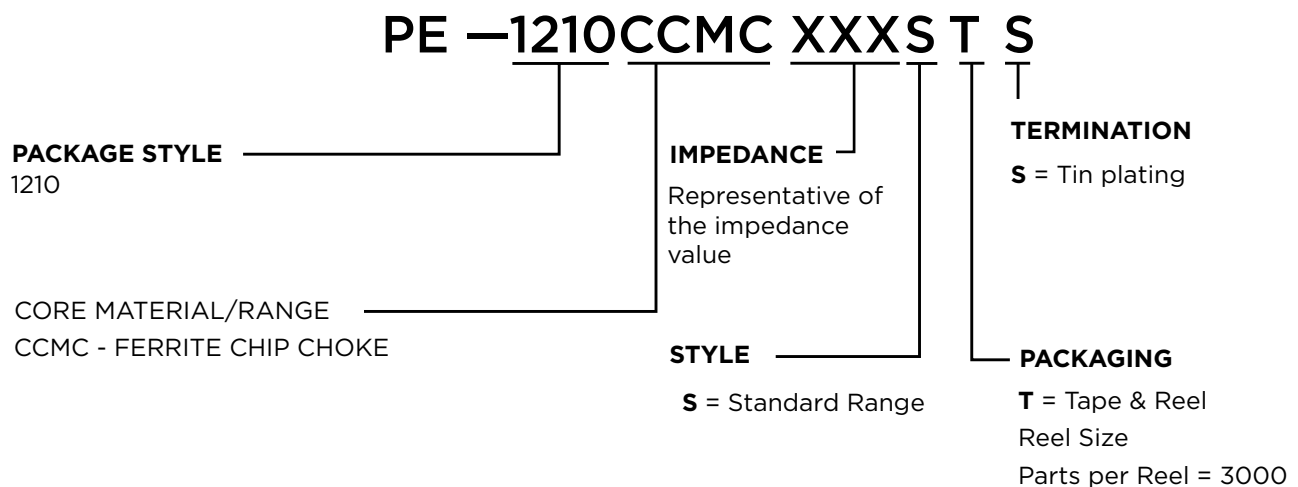
SMD CHIP CHOKES

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

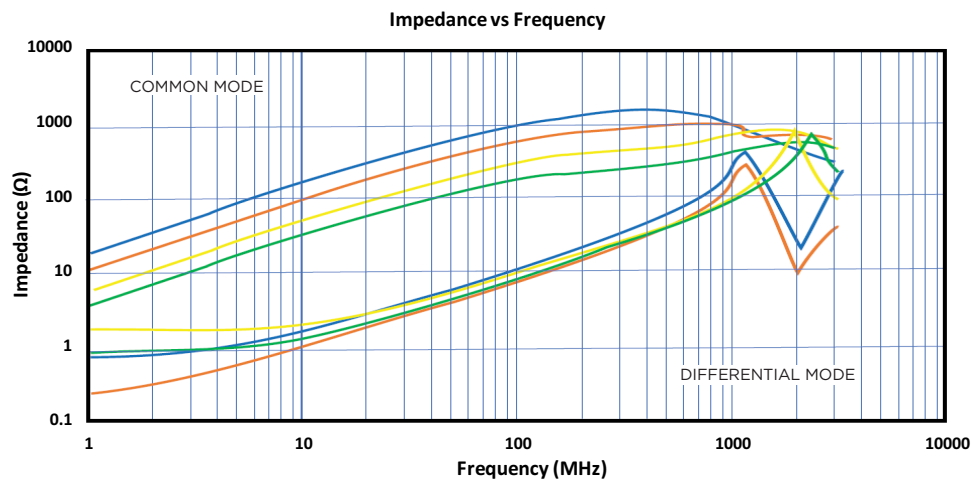
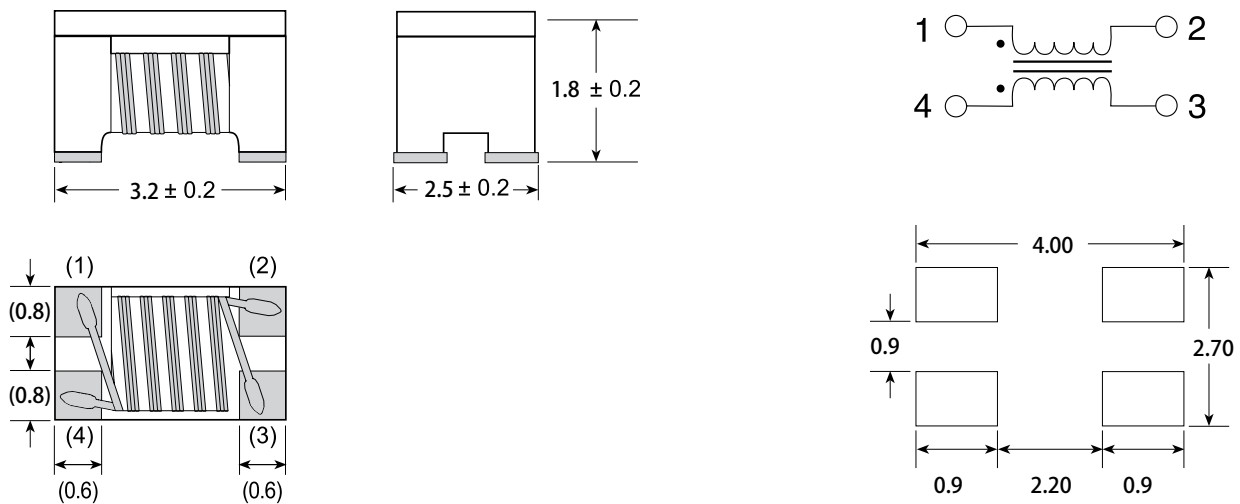


SPECIFICATION

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 — Green
 PE-1210CCMC271STS — Yellow
 PE-1210CCMC601STS — Orange
 PE-1210CCMC102STS — Blue

PERFORMANCE TESTING

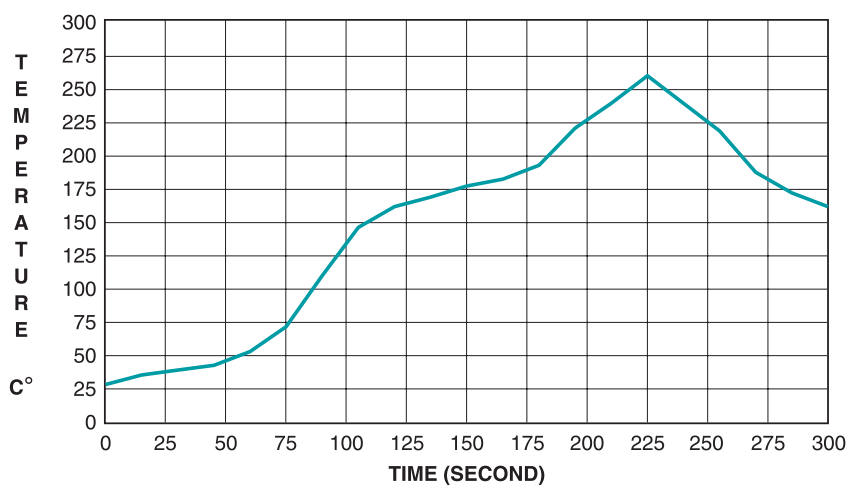
Electrical Testing

Storage and Operating Temperature Range: -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%
Thermal: -40° to +85°C	Inductors are subjected to 30 cycles for 30 minutes at each extreme. Then tested at 25°C	
Moisture Resistance	Inductors are subjected to 10 cycles of 24 hours at 70°C with 90 to 95% Relative Humidity Then tested at 25°C	
Operating Life	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

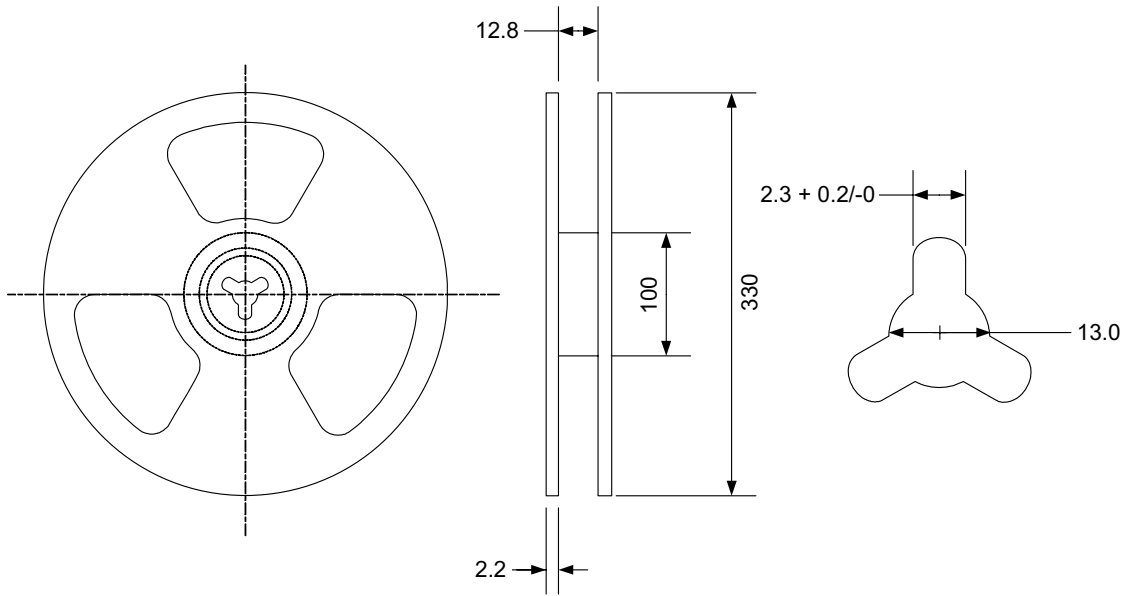
Mechanical Testing

Temperature Range:	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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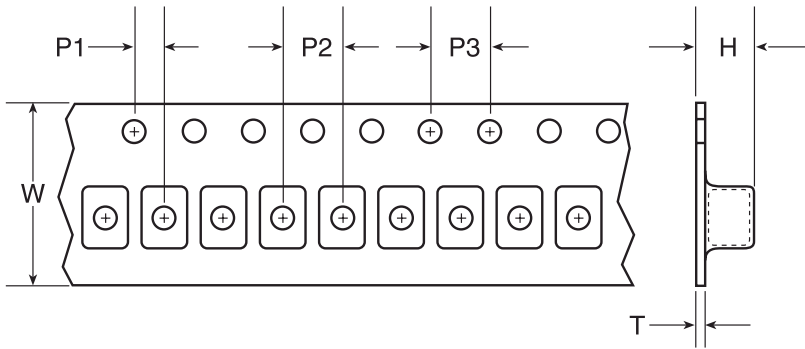
Recommended Solder Heat Resistance Profile



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:

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