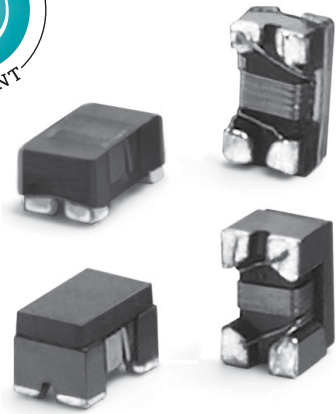







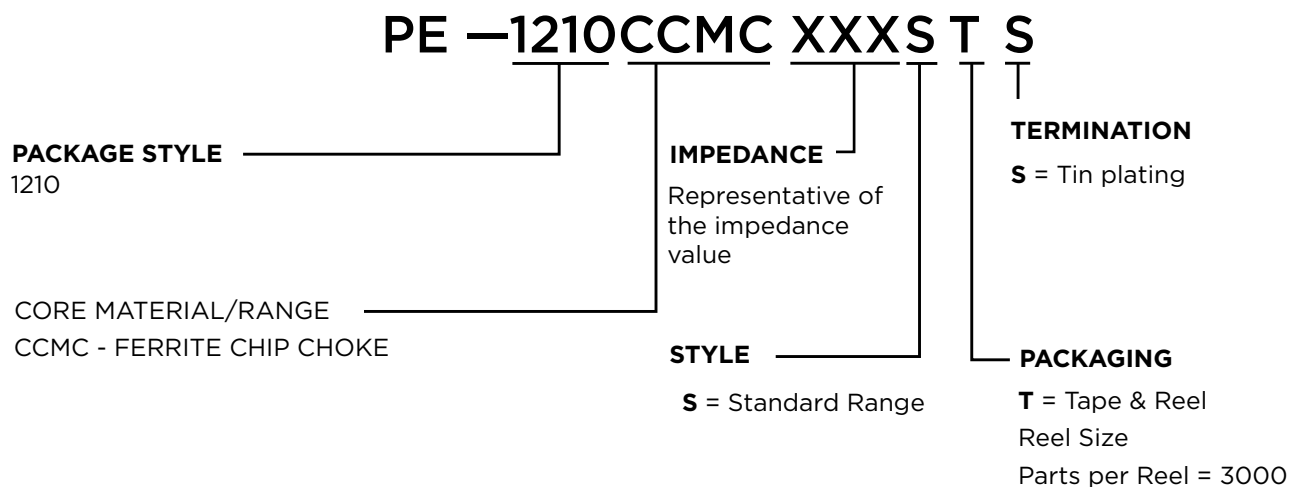
SMD CHIP CHOKES

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

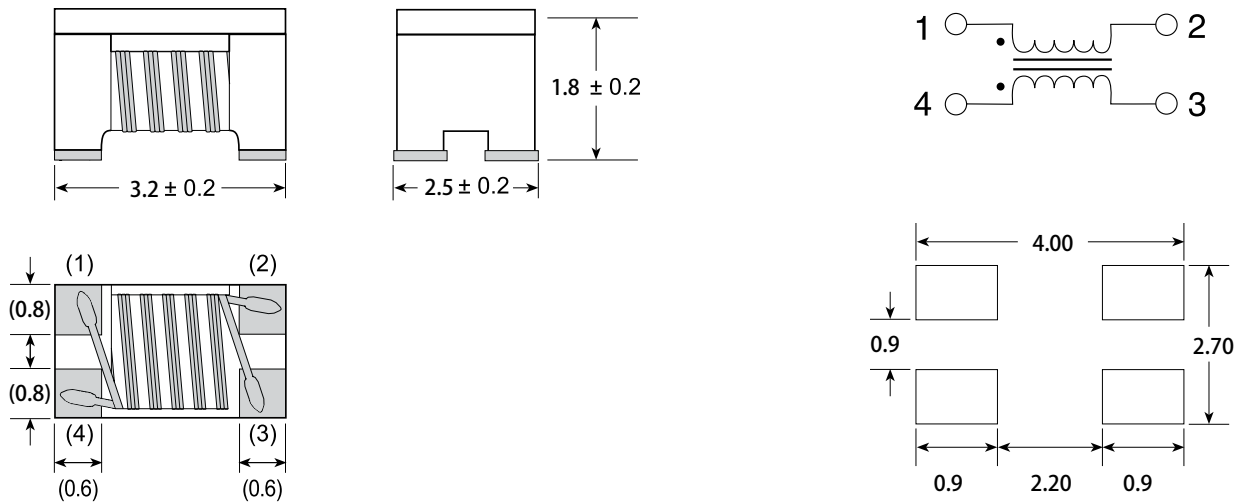


SPECIFICATION

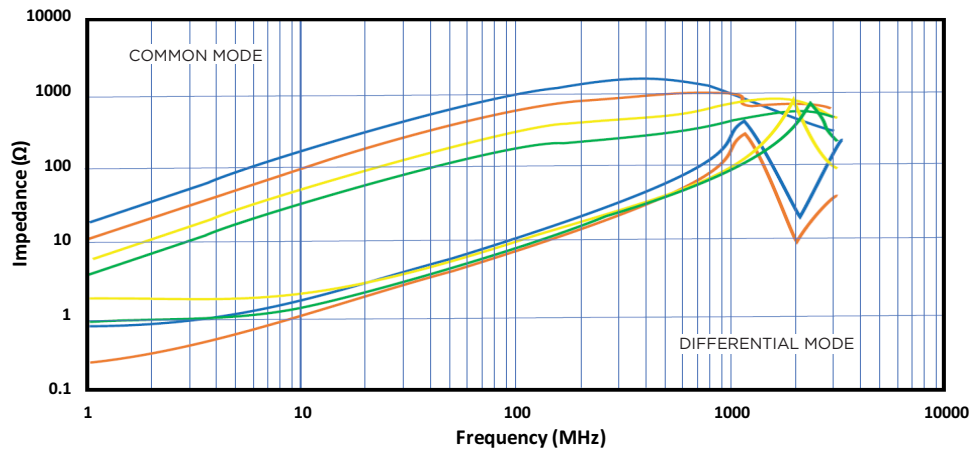
Electrical Specifications @ 25°C

| 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



Impedance vs Frequency



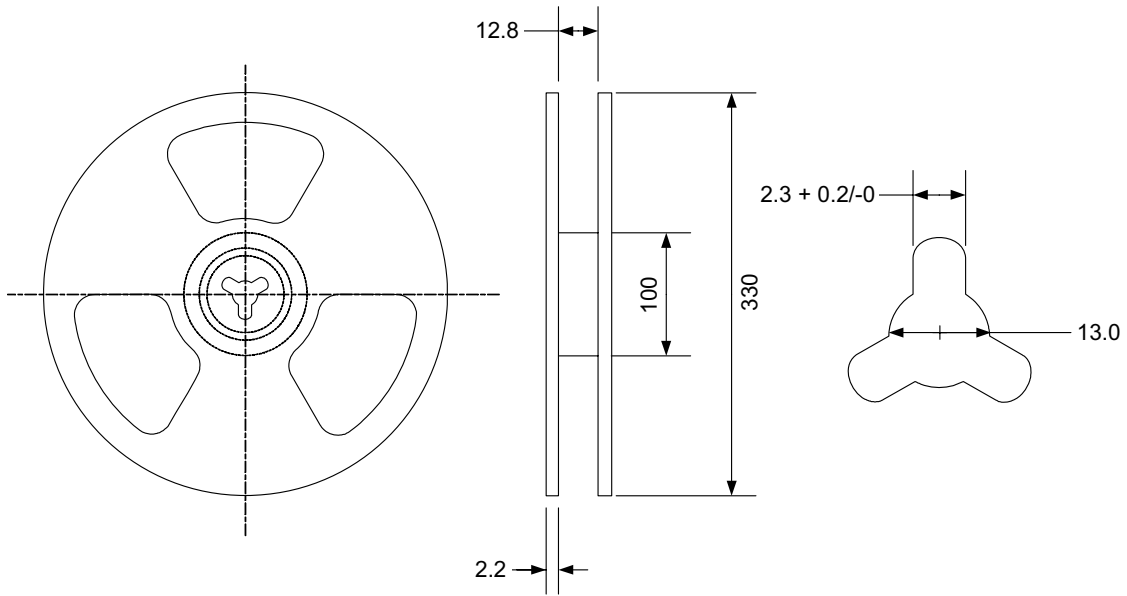
- PRODUCT KEY**
- PE-1210CCMC161STS —
 - PE-1210CCMC271STS —
 - PE-1210CCMC601STS —
 - PE-1210CCMC102STS —

PERFORMANCE TESTING

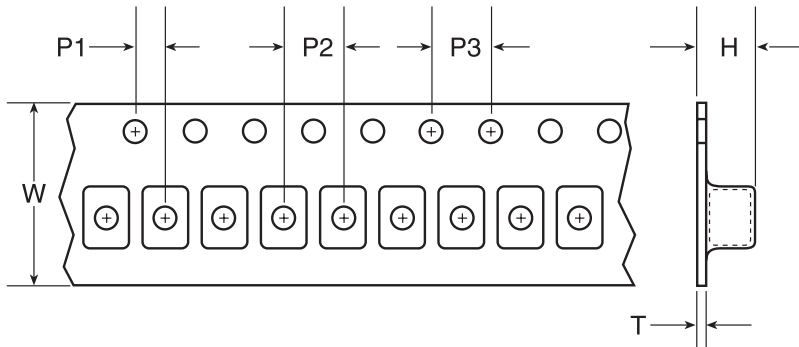
| Electrical Testing | | |
|--|--|--|
| Storage and Operating Temperature Range: -40° to +85°C | Inductors are subjected to the extremes for 48 hours. Then tested at 25°C | There shall be no deformation or change in appearance Inductance shall not change by more than ±5% Q values shall not change by 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 | |

| 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% | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recommended Solder Heat Resistance Profile | <table border="1"> <caption>Recommended Solder Heat Resistance Profile Data</caption> <thead> <tr> <th>TIME (SECOND)</th> <th>TEMPERATURE (C°)</th> </tr> </thead> <tbody> <tr><td>0</td><td>25</td></tr> <tr><td>25</td><td>35</td></tr> <tr><td>50</td><td>45</td></tr> <tr><td>75</td><td>75</td></tr> <tr><td>100</td><td>150</td></tr> <tr><td>125</td><td>165</td></tr> <tr><td>150</td><td>175</td></tr> <tr><td>175</td><td>190</td></tr> <tr><td>200</td><td>225</td></tr> <tr><td>225</td><td>260</td></tr> <tr><td>250</td><td>225</td></tr> <tr><td>275</td><td>185</td></tr> <tr><td>300</td><td>150</td></tr> </tbody> </table> | | TIME (SECOND) | TEMPERATURE (C°) | 0 | 25 | 25 | 35 | 50 | 45 | 75 | 75 | 100 | 150 | 125 | 165 | 150 | 175 | 175 | 190 | 200 | 225 | 225 | 260 | 250 | 225 | 275 | 185 | 300 | 150 |
| TIME (SECOND) | TEMPERATURE (C°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | 165 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 175 | 190 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 225 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 225 | 260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | 225 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 275 | 185 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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 | Europe - comms@pulseelectronics.com | Asia - prodinfo@networkapac@pulseelectronics.com

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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