

Chip Choke Expansion

Commercial, Consumer and Industrial range

Pulse Electronics has expanded its Chip Choke product range for consumer networks and industrial automation. The new PE-1210CCMC size series offers a larger footprint, supporting higher current than our current existing Chip Choke series PE-0805CCMC, PE-1008CCMC and PE-1206CCMC. This makes them Ideal for high power USB3.0/3.1, and other power linked, low voltage differential signals. Additionally, they can be used for Fast Ethernet and the DC voltage supply lines for Power over Ethernet.



Features and Benefits:

- Offer smaller size and values for many LVDS EMI solution.
- Recommended for USB2.0/3.1, IEEE1394 FireWire, Serial Buses, isoSPI, SPI and other LVD signals.
- Operate temp. -40C up to +125C
- High Working Voltage at 125Vdc
- Multiple options for Impedance, Size and Current
- High Current options Ideal for PoE/PoE+ Power Lines

Application:

- USB2.0 and USB3.1 Hubs, Switches, IoT
- Point of Sales Equipment
- Robotic and Automation control equipment
- Ethernet and Power over Ethernet

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 (M ΩMIN)
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