

2-Line Chip Style Common Mode Chokes

ChipChoke™ CCMC Series



- Available in 0805 (2012) and 1206 (3216) size
- For USB2.0, 3.0 and other high speed differential signal lines (IEEE1394, LVDS)
- Suppression of common mode noise without attenuating the signal
- Large range of common mode impedance to fit with signal and noise level
- Magnetic shield versions available for lower Rdc and higher current features

Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°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)
0805CCMCXTS - Magnetic Shield - 0805 Size						
PE-0805CCMC670STS	67	0.25	50	400	125	10
PE-0805CCMC900STS	90	0.35	50	330	125	10
PE-0805CCMC121STS	120	0.30	50	370	125	10
PE-0805CCMC181STS	180	0.35	50	330	125	10
PE-0805CCMC261STS	260	0.40	50	300	125	10
PE-0805CCMC361STS	360	0.45	50	280	125	10
1206CCMCXTS - Magnetic Shield - 1206 Size						
PE-1206CCMC900STS	90	0.3	50	370	125	10
PE-1206CCMC161STS	160	0.40	50	340	125	10
PE-1206CCMC261STS	260	0.50	50	310	125	10
PE-1206CCMC601STS	600	0.80	50	260	125	10
PE-1206CCMC102STS	1000	1.00	50	230	125	10
PE-1206CCMC222STS	2200	1.20	50	200	125	10

Notes:

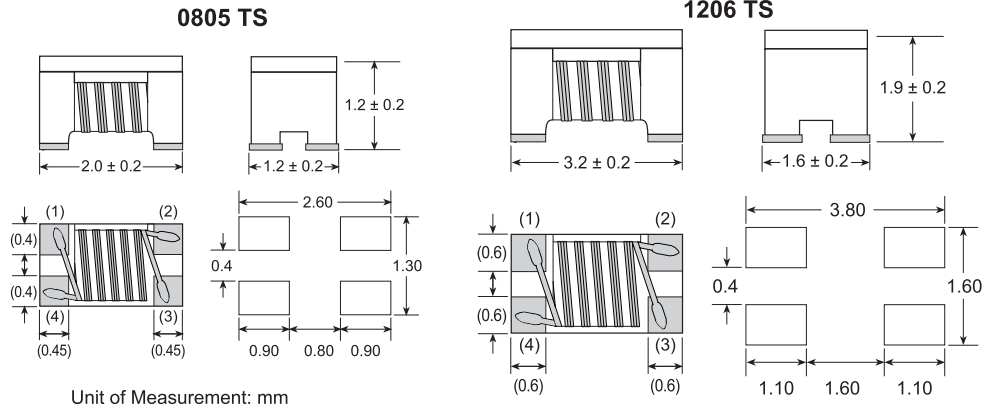
1. These part numbers are lead free and RoHS compliant. No additional suffix or identifier is required.

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Mechanicals

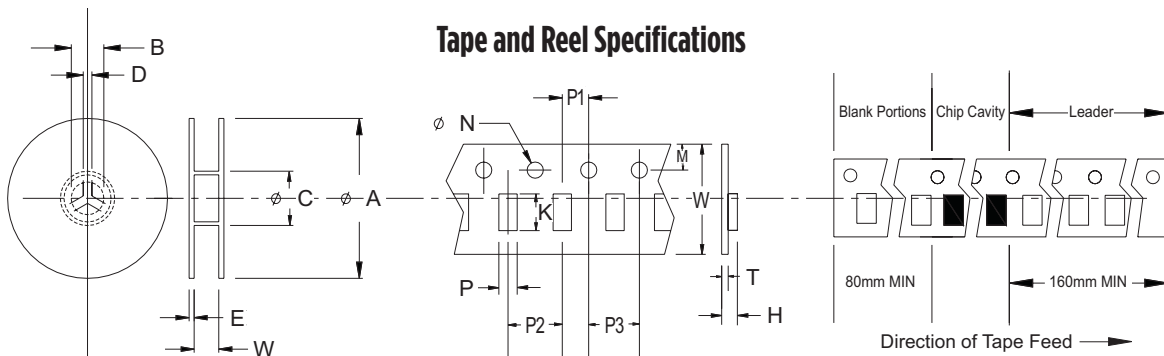
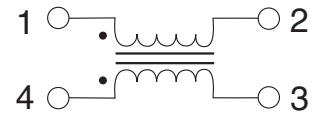
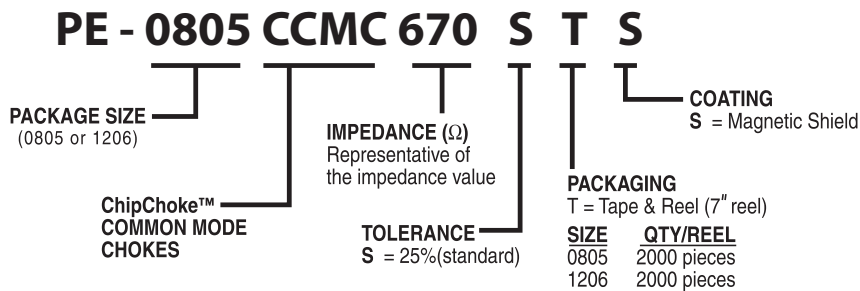
0805 TS, 1206 TS



Part Number Legend

Schematics

PE-0805CCMC670STH



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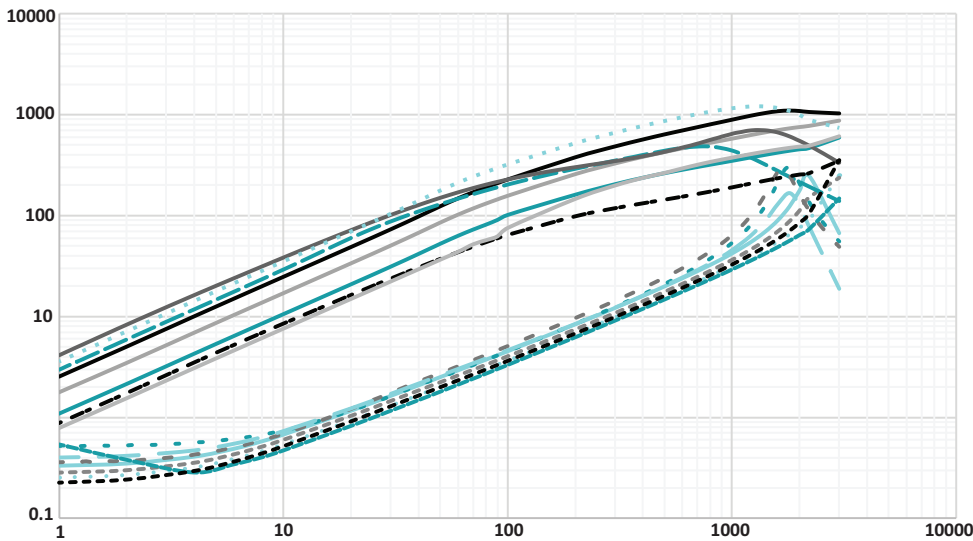
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Packaging Specifications

Series	Parts per Reel	Reel Dimensions (mm)					Tape Dimensions (mm)										
		A	B	C	D	E	W	P1	P2	P3	H	T	K	M	N	P	
0805 TS	2000	178	21	75	2.0	2.5	8.0	2.0	4.0	4.0	4.0	1.30	0.3	2.25	1.75	1.5	1.42
1206 TS	2000	178	21	75	2.0	2.5	8.0	2.0	4.0	4.0	2.10	0.2	3.50	1.75	1.5	1.90	

Impedance vs Frequency

PE-0805CCMCXXXSTS



Common Mode	
ITEM	Part Number
· - - - ·	PE-0805CCM670STS
—	PE-0805CCM900STS
—	PE-0805CCM121STS
—	PE-0805CCM181STS
—	PE-0805CCM261STS
· · · · ·	PE-0805CCM361STS

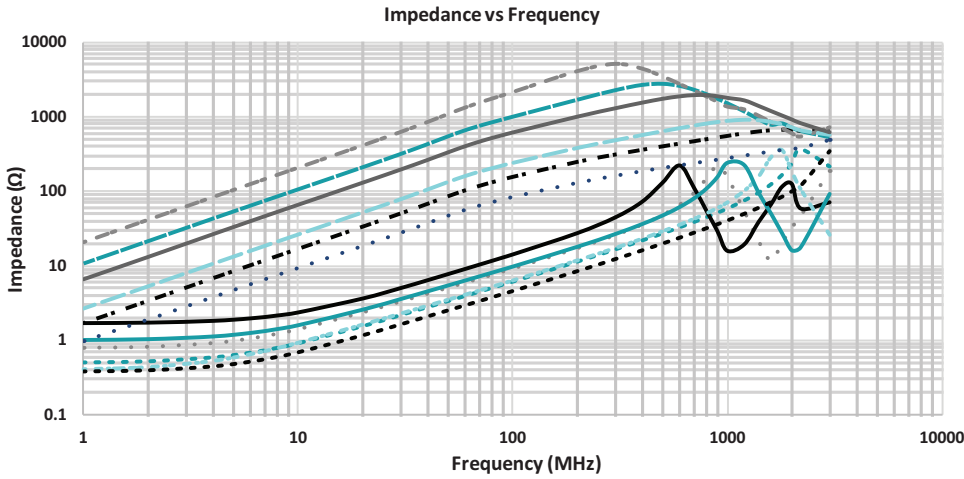
Differential Mode	
ITEM	Part Number
—	PE-0805CCM670STS
· - - - ·	PE-0805CCM900STS
· · · · ·	PE-0805CCM121STS
· - - - ·	PE-0805CCM181STS
—	PE-0805CCM261STS
—	PE-0805CCM361STS

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Impedance vs Frequency

PE-1206CCMCXXXSTS



Common Mode

ITEM	Part Number
• • • • •	PE-1206CCM900STS
- - - - -	PE-1206CCM161STS
- - - - -	PE-1206CCM261STS
- - - - -	PE-1206CCM601STS
- - - - -	PE-1206CCM102STS
- - - - -	PE-1206CCM222STS

Differential Mode

ITEM	Part Number
• • • • •	PE-1206CCM900STS
• • • • •	PE-1206CCM161STS
• • • • •	PE-1206CCM261STS
- - - - -	PE-1206CCM601STS
• • • • •	PE-1206CCM102STS
- - - - -	PE-1206CCM222STS