

# 2-Line Chip Style Common Mode Chokes

ChipChoke™ CCMC Series



- Available in 0805 (2012) and 1206 (3216) size
- For USB2.0 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

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)
<b>0805CCMCXTH - Epoxy Coating - 0805 Size</b>						
PE-0805CCMC670STH	67	0.35	50	330	125	10
PE-0805CCMC900STH	90	0.40	50	300	125	10
PE-0805CCMC121STH	120	0.45	50	280	125	10
PE-0805CCMC181STH	180	0.50	50	250	125	10
<b>0805CCMCXTS - Magnetic Shield - 0805 Size</b>						
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
<b>1206CCMCXTS - Magnetic Shield - 1206 Size</b>						
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.

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4356768

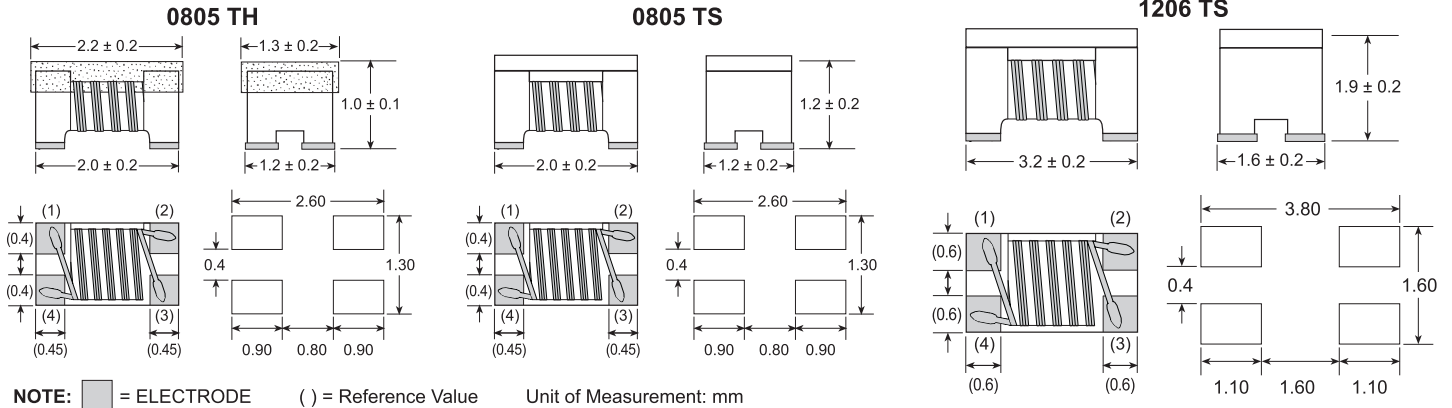
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## Mechanicals

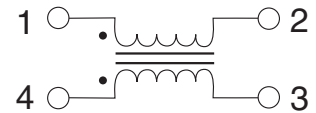
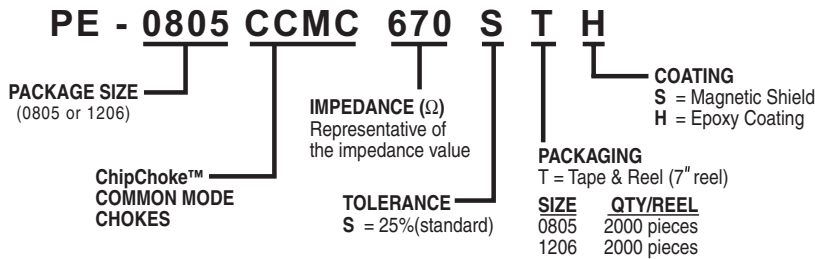
0805 TH, 0805 TS, 1206 TS



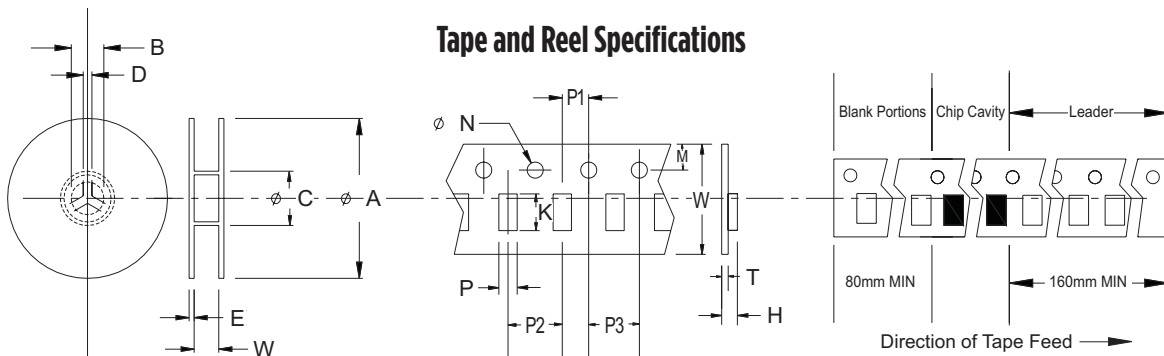
## Part Number Legend

## Schematics

PE-0805CCMC670STH



## Tape and Reel Specifications



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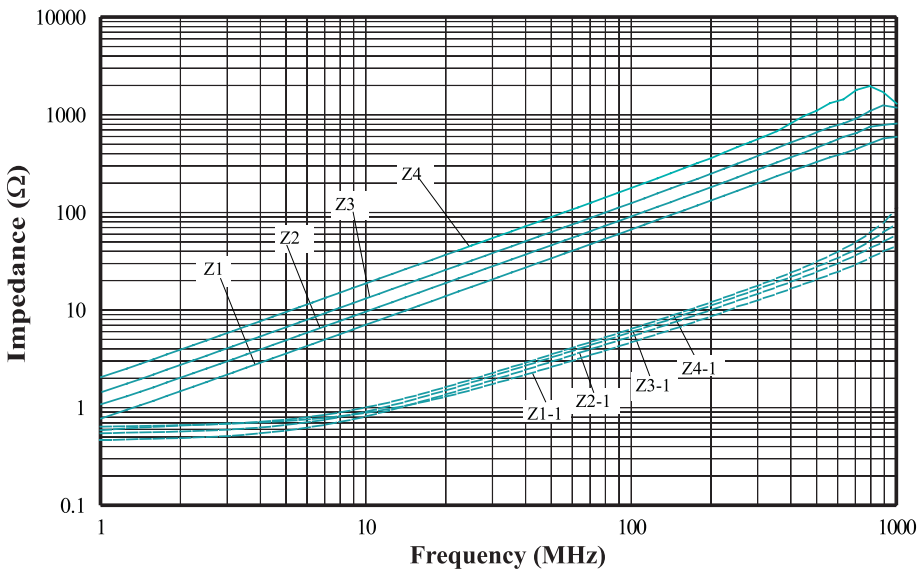


## Packaging Specifications

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 TH	2000	178	21	75	2.0	2.5	8.0	2.0	4.0	4.0	1.08	0.3	2.33	1.75	1.5	1.48
0805 TS	2000	178	21	75	2.0	2.5	8.0	2.0	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-0805CCMCXXXSTH



Common Mode	
ITEM	Part Number
Z1	PE-0805CCM670STH
Z2	PE-0805CCM900STH
Z3	PE-0805CCM121STH
Z4	PE-0805CCM181STH

Differential Mode	
ITEM	Part Number
Z1-1	PE-0805CCM670STH
Z2-1	PE-0805CCM900STH
Z3-1	PE-0805CCM121STH
Z4-1	PE-0805CCM181STH

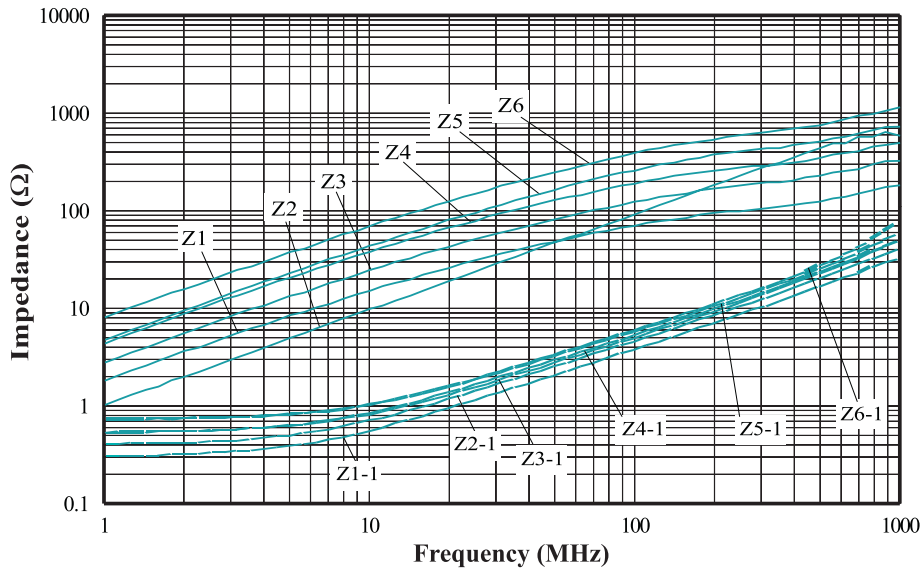
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## Impedance vs Frequency

PE-0805CCMXXXSTS



Common Mode	
ITEM	Part Number
Z1	PE-0805CCM670STS
Z2	PE-0805CCM900STS
Z3	PE-0805CCM121STS
Z4	PE-0805CCM181STS
Z5	PE-0805CCM261STS
Z6	PE-0805CCM361STS

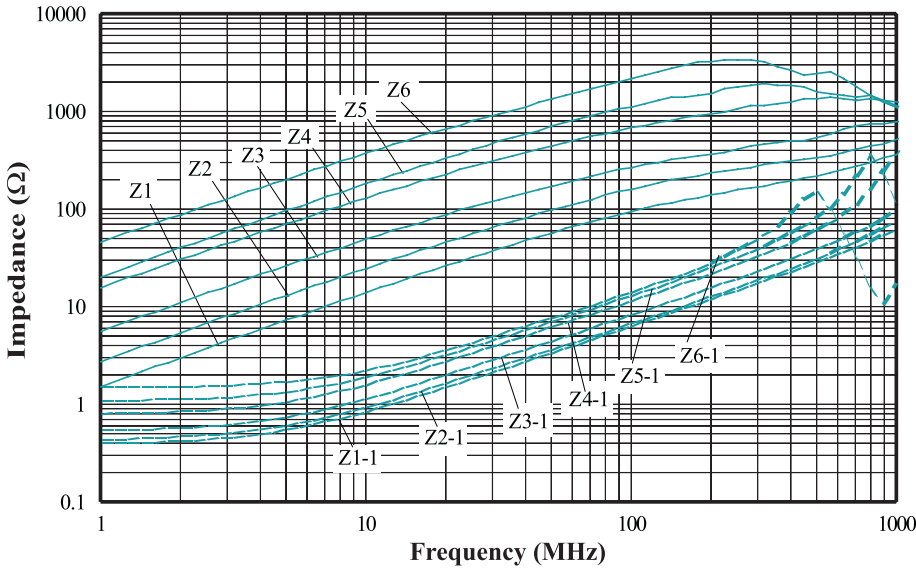
Differential Mode	
ITEM	Part Number
Z1-1	PE-0805CCM670STS
Z2-1	PE-0805CCM900STS
Z3-1	PE-0805CCM121STS
Z4-1	PE-0805CCM181STS
Z5-1	PE-0805CCM261STS
Z6-1	PE-0805CCM361STS

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## Impedance vs Frequency

PE-1206CCMCXXXSTS



### Common Mode

ITEM	Part Number
Z1	PE-1206CCM900STS
Z2	PE-1206CCM161STS
Z3	PE-1206CCM261STS
Z4	PE-1206CCM601STS
Z5	PE-1206CCM102STS
Z6	PE-1206CCM222STS

### Differential Mode

ITEM	Part Number
Z1-1	PE-1206CCM900STS
Z2-1	PE-1206CCM161STS
Z3-1	PE-1206CCM261STS
Z4-1	PE-1206CCM601STS
Z5-1	PE-1206CCM102STS
Z6-1	PE-1206CCM222STS

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