



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Multi-Layer Common Mode Chip Choke

0201/0302/0403 Series



- For high speed differential signal lines (USB, LVDS, MIPI, MDDI, MHL, HDMI, DVI.)
- Suppression of common mode noise without attenuating the signal
- Multilayer -40~+85°C design

Electrical Specifications @ 25°C

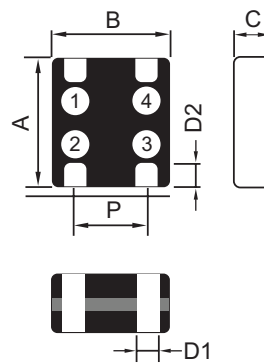
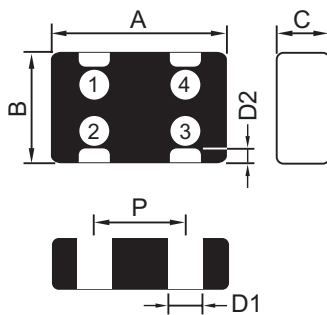
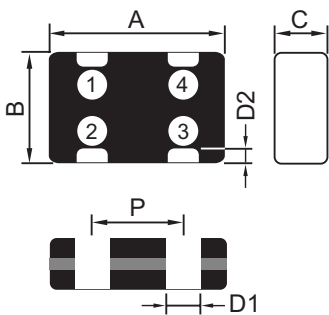
Part Number	Common Mode Impedance (Ω)	Test Frequency (MHz)	Rated Voltage (Vdc) MAX	Insulation Resistance (MΩ) MIN	DC Resistance (Ω) MAX	Rated Current (mA) MAX
PE-0201MCMC600ST	60±25%	100	5	100	4.75	50
PE-0201MCMC900ST	90±25%	100	5	100	6.5	50
PE-0302MCMC120GT	12±5Ω	100	5	100	2.5	130
PE-0302MCMC470MT	47±20%	100	5	100	5	100
PE-0302MCMC900MT	90±20%	100	5	100	6.5	100
PE-0403MCMC400ST	40±25%	100	5	100	2.5	100
PE-0403MCMC900ST	90±25%	100	5	100	4.5	100

Tolerance: G = ±5Ω, M = ±20%, S = ±25%

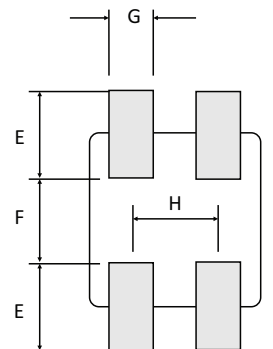
Mechanical

Size	Chip Size				Land Patterns For Reflow Soldering					
	A	B	C	P	D1	D2	E	F	G	H
0201	0.65±0.05	0.50±0.05	0.30±0.05	0.40±0.10	0.15±0.10	0.12±0.10	0.27-0.33	0.17-0.23	0.20-0.26	0.48
0302	0.85±0.05	0.65±0.05	0.40 ±0.05	0.50±0.10	0.27±0.10	0.20+0.05/-0.1	0.25-0.35	0.25-0.35	0.25-0.35	0.50
0403	1.25±0.15	1.0±0.15	0.55 ±0.10	0.55±0.10	0.30±0.10	0.20±0.10	0.45-0.55	0.70-0.80	0.25-0.35	0.55

PE-0201MCMC600ST
PE-0201MCMC900ST



SUGGESTED LAND PATTERN



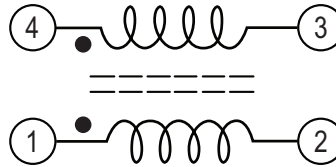
All Unit in mm

Unit Weight(0201) 0.0005 grams
(0302) 0.0009 grams
(0403) 0.0027 grams

Tape & Reel ...15000 (0201)/reel
10000 (0302)/reel
5000(0403)/reel

Schematic

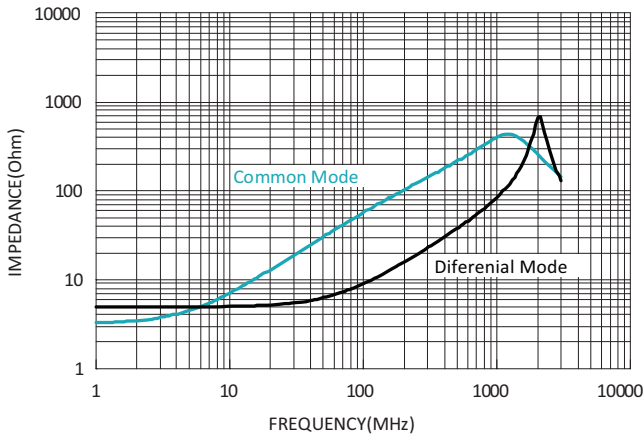
PE-XXXXXXXXXXXX



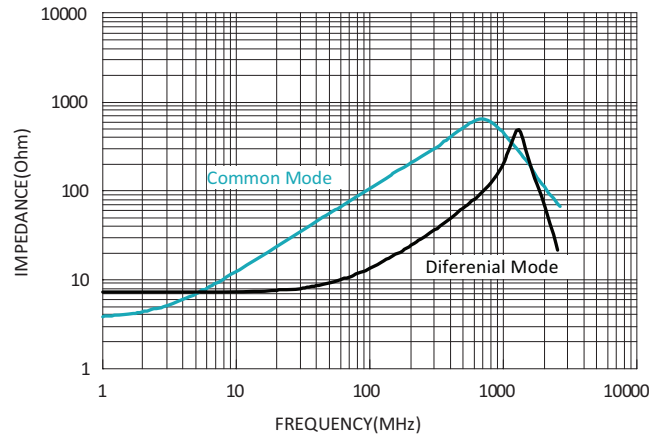
Impedance vs. Frequency

Characteristic Graphs

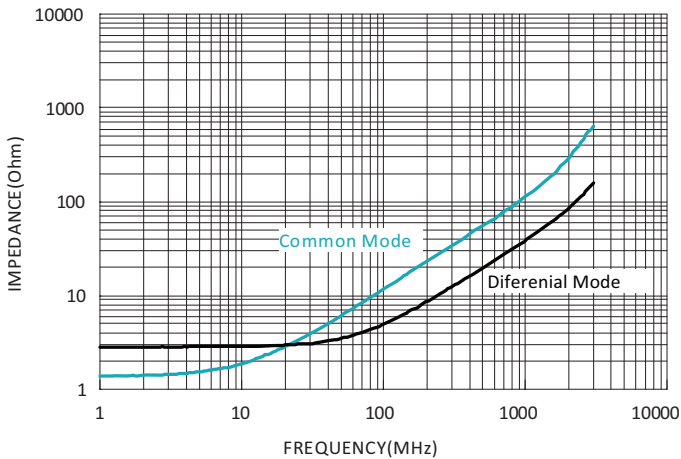
PE-0201MCMC600ST



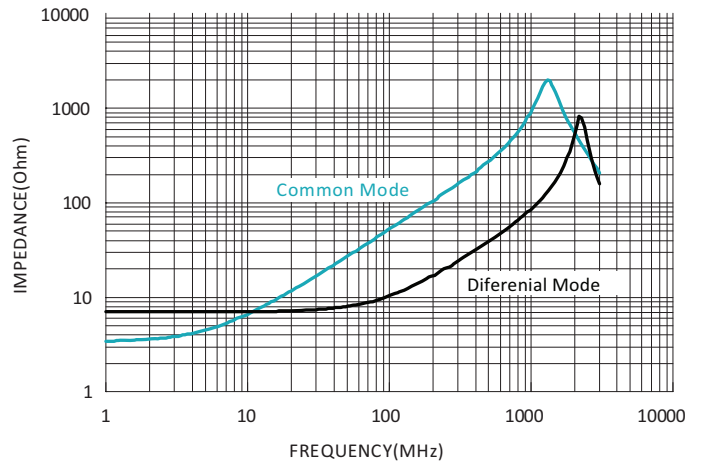
PE-0201MCMC900ST



PE-0302MCMC120GT

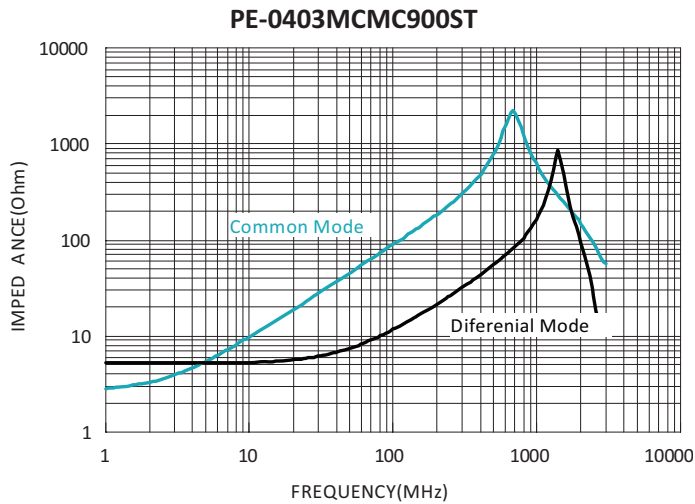
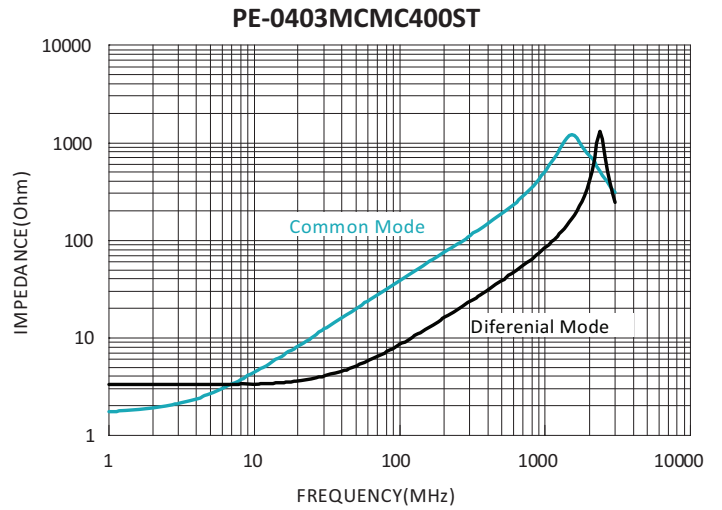
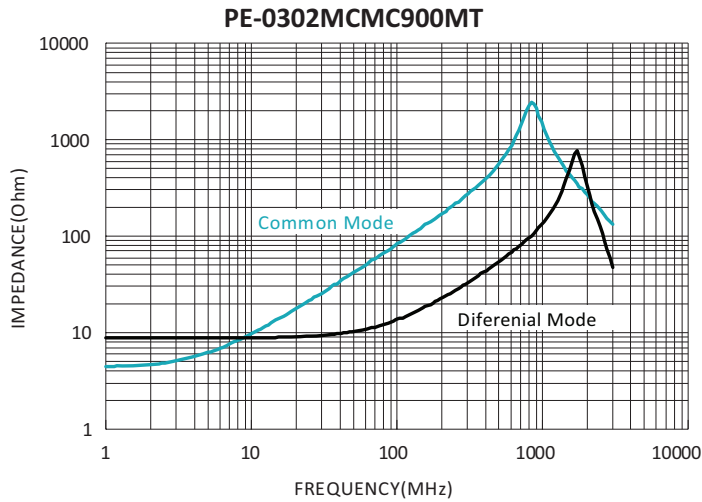


PE-0302MCMC470MT



Impedance vs. Frequency

Characteristic Graphs

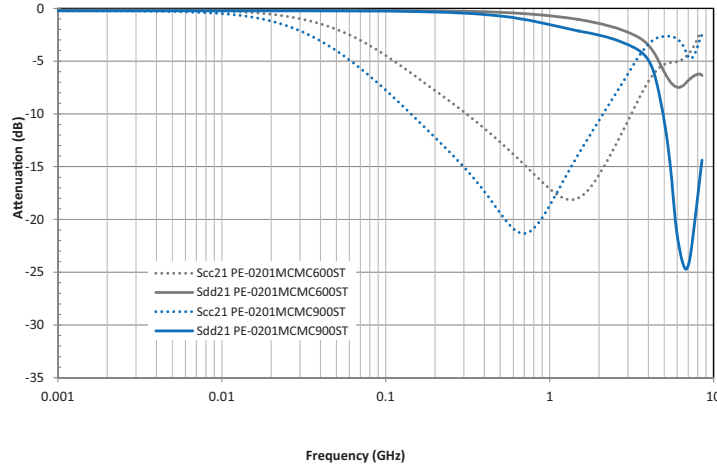


Multi-Layer Common Mode Chip Choke

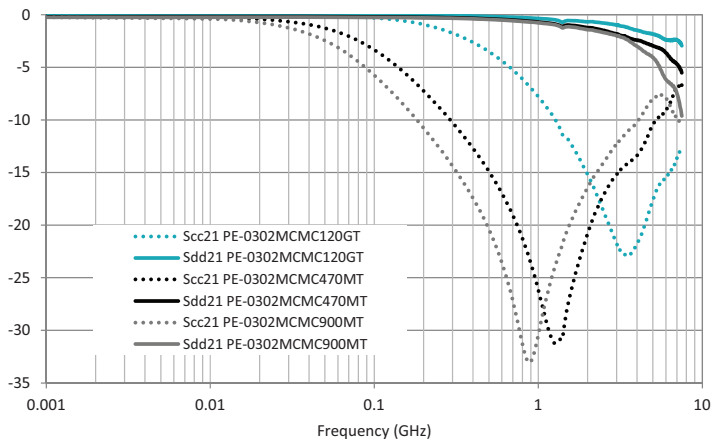
0201/0302/0403 Series

Characteristic Graphs - S Parameter

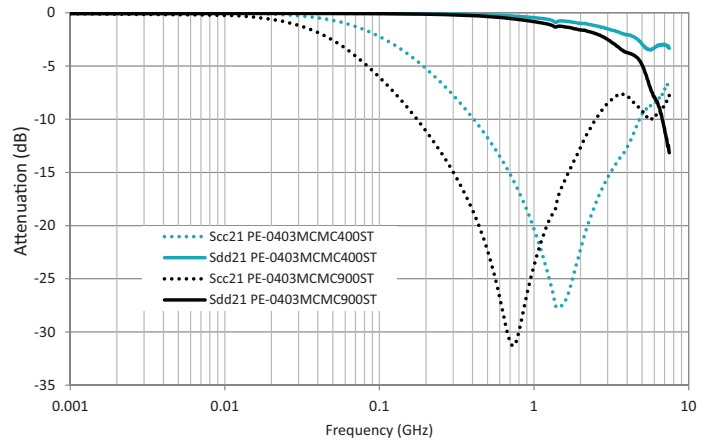
PE-0201MCMC series



PE-0302MMC Series



PE-0403MCMC Series



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