



### FEATURES



- Power common mode choke for large current up to 20A
- Built with nanocrystalline core
- Excellent impedance for broadband noise suppression up to 300MHz
- Through hole installation
- Operating temperature -40°C to 125°C (Including self-heating)
- Sectional winding construction with spacer to improve isolation

### APPLICATIONS

- Power line applications
- Telecom, industry and medical power supply
- High switching mode power supply
- High power and high density power supply

### ELECTRICAL SPECIFICATIONS

PART NUMBER	INDUCTANCE 1-4/2-3 L@ 10KHz/100mV (uH)			LEAKAGE INDUCTANCE @ 100KHz/100mv Max (uH)	DCR 1-4/2-3 Max (mΩ)	RATED CURRENT Max (A)	RATED VOLTAGE (Vrms)
	MIN	NOM	MAX				
CMX3016Z102B-10	700	1000	1500	5.0	2.2	20	250
CMX3016Y152B-10	1050	1500	2250	5.0	2.7	18	250
CMX3016Y202B-10	1400	2000	3000	5.0	4.2	15	250
CMX3016X402B-10	2800	4000	6000	5.0	6.9	11	250
CMX3016V702B-10	4900	7000	10500	5.0	12.0	8	250

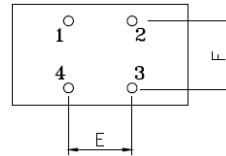
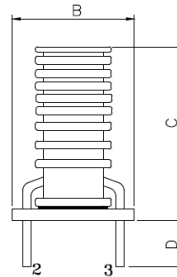
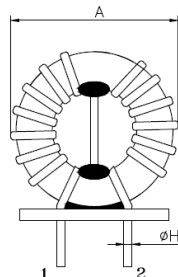
Remark:

1. HIPOT COIL-COIL: 2121 Vdc/2s,5mA
2. Rated current is DC current that causes the temperature rise (<55°C) from 25C ambient

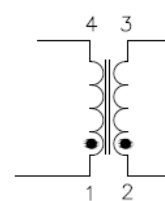
### SHAPES AND DIMENSIONS

Unit:mm

A	B	C	D	E	F	G
30.00 Max.	16.00 Max.	30.00 Max.	5.00±0.50	10.00±0.50	12.00±0.50	17.50±0.10



### EQUIVALENT CIRCUIT



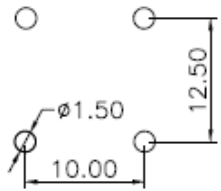
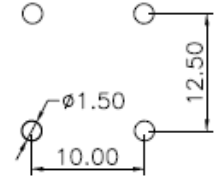
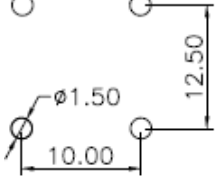
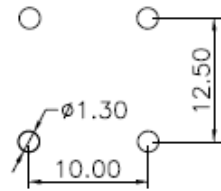
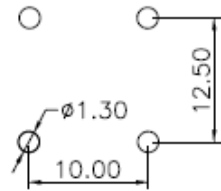
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Europe: +42.0.4885.7511.1  
Asia: +86.757.2563.8860

MCP-DS-WIRE WOUND POWER CMC 1215

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# Broadband Wire Wound Power Common Mode Choke

## CMX3016 Series

PART NUMBER	Dimension H (mm)	LAND PATTERN
CMX3016Z102B-10	1.30±0.10	
CMX3016Y152B-10	1.30±0.10	
CMX3016Y202B-10	1.15±0.10	
CMX3016X402B-10	1.05±0.10	
CMX3016V702B-10	0.95±0.10	

### PART NUMBER SYSTEM EXAMPLE

<u>CMX</u>	<u>3016</u>	<u>Z</u>	<u>102</u>	<u>B</u>	<u>- 10</u>
Common Mode Chokes	Part Size Code	Rated Current Code	Inductance (L)	Packing Code	Standard or Custom Part

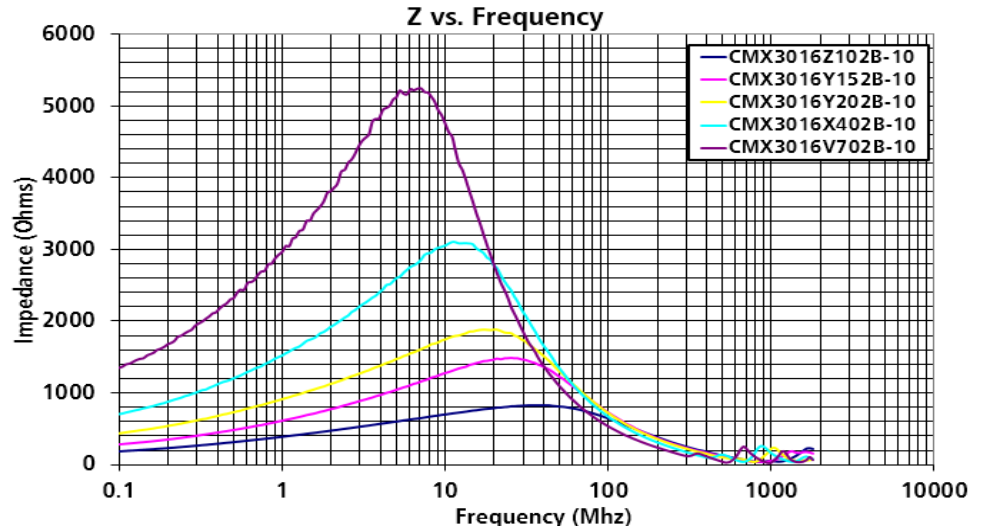
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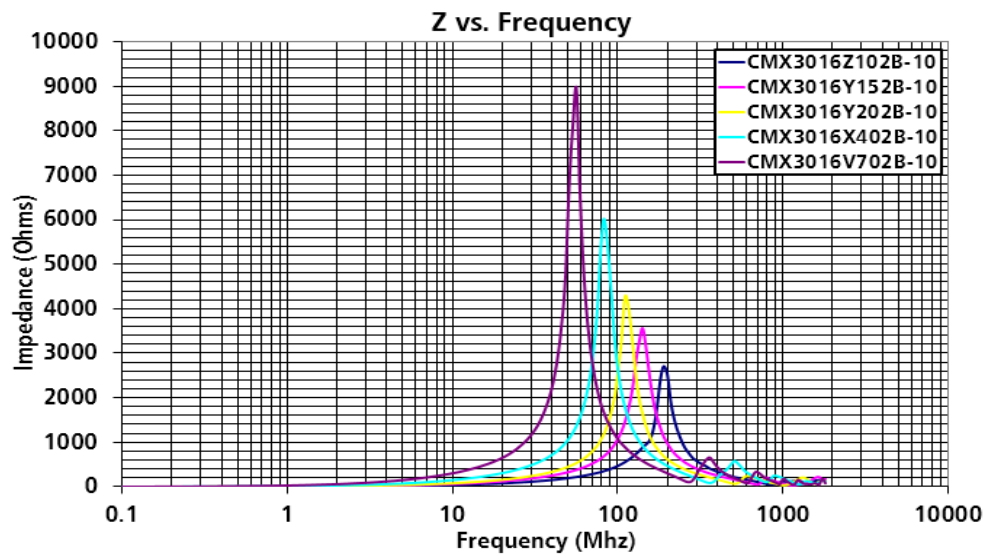
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### TYPICAL CHARACTERISTICS

#### CMX3016 SERIES COMMON MODE IMPEDANCE



#### CMX3016 SERIES DIFFERENTIAL MODE IMPEDANCE



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MCP-DS-WIRE WOUND POWER CMC 1215

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