



FEATURES



- Common mode choke for high current up to 65Adc
- Excellent common mode impedance and noise suppression
- Compact size & robust construction
- Operating temperature -40°C to 155°C (Including self-heating)
- Through hole installation
- Very low DCR

APPLICATIONS

- Power line applications
- Industry Device
- Telecom Device

ELECTRICAL SPECIFICATIONS

PART NUMBER	TYPICAL IMPEDANCE (Ω)				TYPICAL PEAK IMPEDANCE (Ω)	TYPICAL PEAK IMPEDANCE FREQUENCY (MHz)	DCR MAX (mΩ)	RATED CURRENT
	Z@ 25 MHz	Z@ 100 MHz	Z@ 500 MHz	Z@ 1 GHz				
CM8663Z161B-10	85	160	210	140	300	340	0.15	65Adc

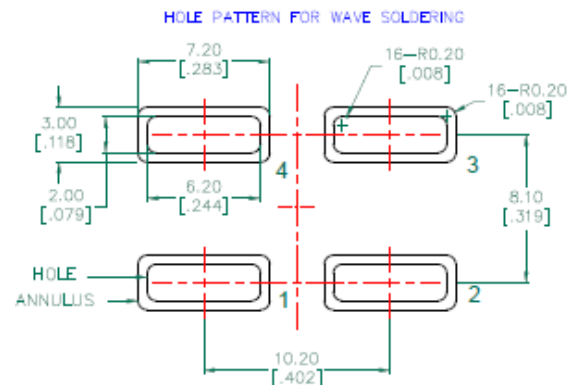
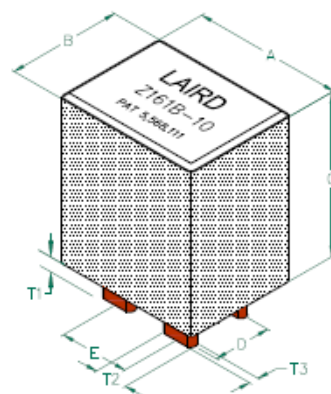
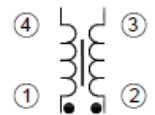
Remark: Rated current is DC current that causes the temperature rise (<55°C) from 25°C ambient.

SHAPES AND DIMENSIONS

Unit:mm

A	B	C	D
22.00±0.40	16.00±0.30	16.50±0.25	8.10±0.25
E	T1	T2	T3
10.20±0.50	3.05±0.33	5.50±0.05	1.40±0.05

EQUIVALENT CIRCUIT



USA: +1.423.308.1690
Europe: +42.0.4885.7511.1
Asia: +86.757.2563.8860

MCP-DS-HIGH CURRENT POWER LINE CMC 1015

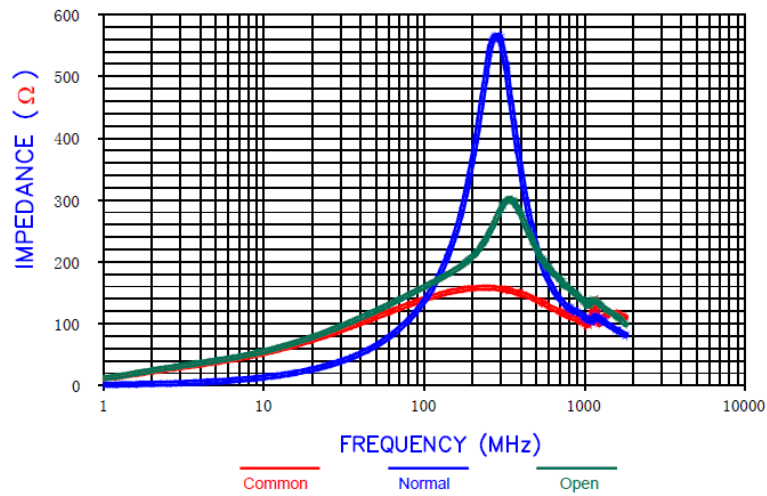
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PART NUMBER SYSTEM EXAMPLE

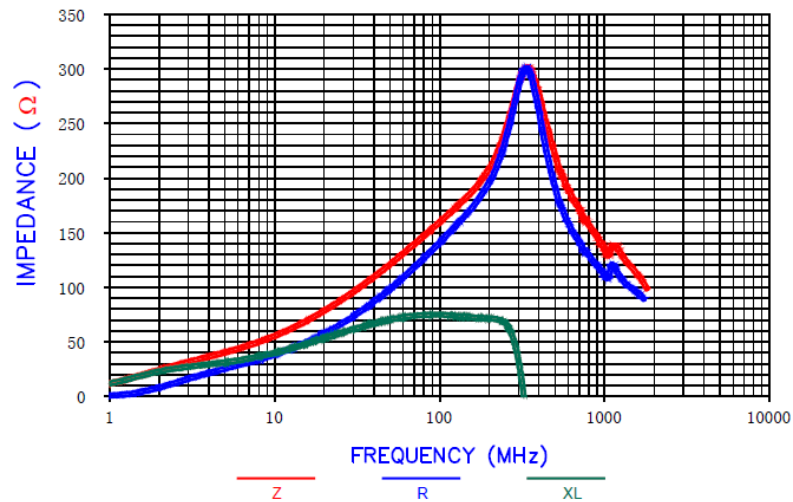
<u>CM</u>	<u>8663</u>	<u>Z</u>	<u>161</u>	<u>B</u>	<u>-10</u>
Common Mode Chokes	Part Size Code	Rated Current Code	Impedance (Z)	Packing Code	Standard or Custom Part

TYPICAL CHARACTERISTICS

Z vs. FREQUENCY (C,N,O)



Z, R , XL vs. FREQUENCY



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MCP-DS-HIGH CURRENT POWER LINE CMC 1015

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