Laird
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CMX1616 Series
Wire-Wound DIP Power Common-Mode Chokes

FEATURES
RoHS

- Current rating up to 62 Amp
- Stable performance and high reliability
- High Suppression of asymmetric interferences at both Low and High Frequency
- Operation temperature: -40°C to 125°C (Including self-heating)
- Custom designs on request

APPLICATIONS
- Interferences suppression of common mode noise
- Power line filter
- Switch-mode power supplies

ELECTRICAL SPECIFICATIONS

PART NO.	INDUCTANCE @ 100 KHZ / 100 mV (uH)			DCR MAX (mΩ)	CURRENT RATING MAX (A)	RATING VOLTAGE MAX (Vrms)	HIPOT COIL – COIL (VAC)
	NOM	MIN	MAX				
CMX1616X282B-10	2816	1689	3802	11.0	14	250	1500
CMX1616Y222B-10	2156	1293	2911	6.0	19	250	1500
CMX1616Z112B-10	1000	600	1350	2.8	30	250	1500
CMX1616Z162B-10	1584	950	2138	4.1	24	250	1500
CMX1616Z171B-10	176	105	238	0.65	62	250	1500
CMX1616Z401B-10	396	237	535	1.15	46	250	1500
CMX1616Z701B-10	704	422	951	2.3	33	250	1500

ORDERING INFORMATION
PART NUMBER EXAMPLE

C M X	1 6 1 6	Z	1 1 2	B	-	1 0
Product series code	EIA size code (L x W)	Rated Current Code: X = 10,000 mA; Y = 15,000 mA; Z ≥ = 20,000 mA	Inductance value code (L): 401 = 396 uH; 171 = 176 uH; 222 = 2156 uH	Packing Code: B = Bulk Packaging		Additional Description

USA: +1.866.928.8181
Europe: +49.0.8031.2460.0
Asia: +86.755.2714.1166

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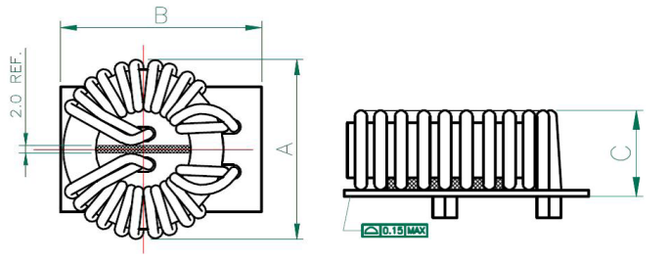
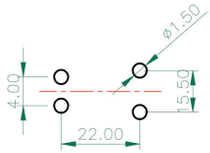
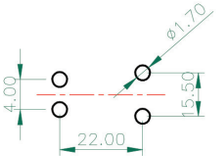
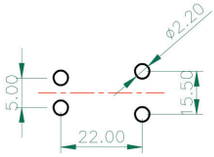
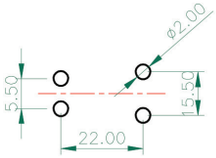
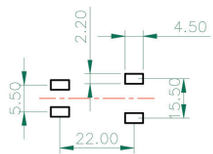
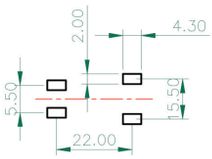
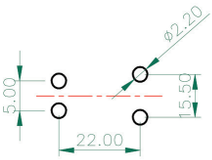
DIMENSIONS
Unit: mm



Part Number	A Max	B Max	C Max	LAND PATTERN
CMX1616X282B-10	42.00	40.00	15.50	
CMX1616Y222B-10	42.00	40.00	15.50	
CMX1616Z112B-10	40.00	40.00	16.50	
CMX1616Z162B-10	42.00	41.00	16.50	
CMX1616Z171B-10	41.00	41.00	16.50	
CMX1616Z401B-10	41.00	41.00	16.50	
CMX1616Z701B-10	40.00	40.00	16.50	

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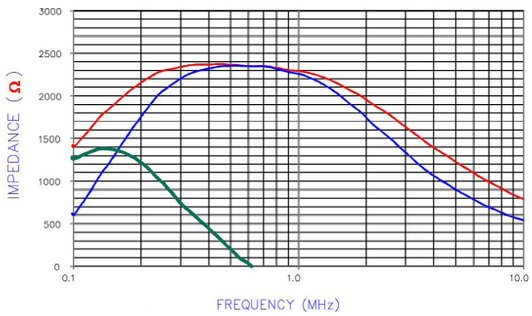
TYPICAL CHARACTERISTICS – ZRX VS FREQUENCY

CMX1616X282B-10



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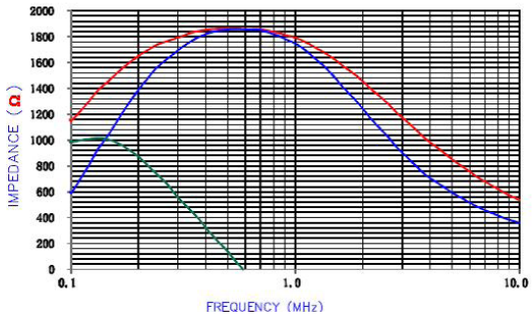

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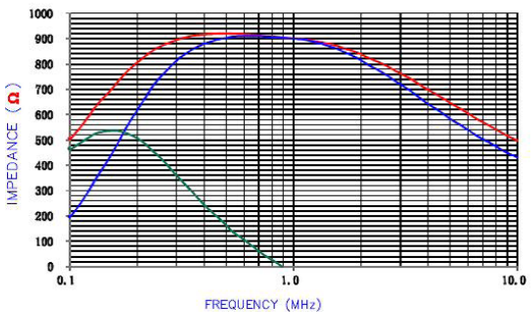

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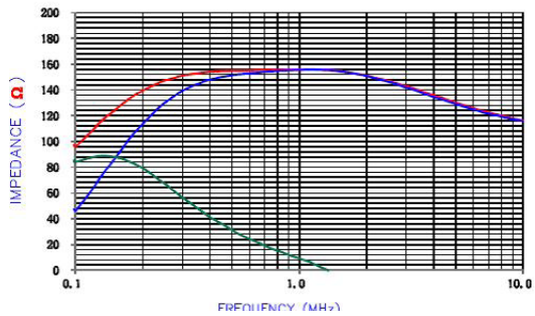

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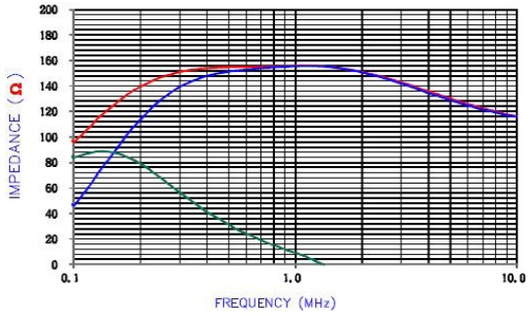

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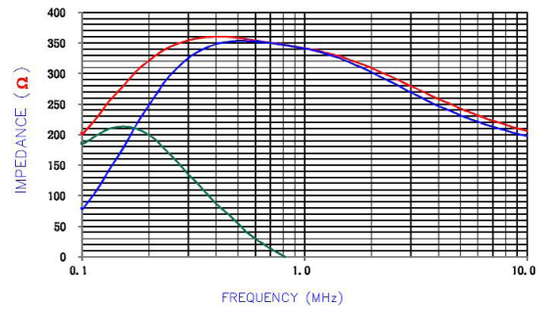

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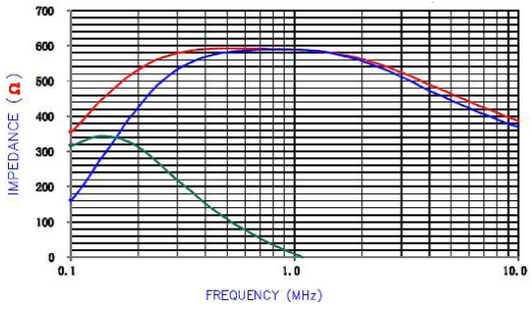

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