Multilayer Chip Beads

Surface Mount

ADMLB Series

ADIVA Technology, Inc.

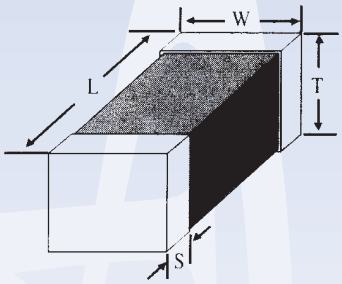
ADMLB

INTRODUCTION

The ADMLB series chip ferrite devices are categorized as noise limiting for EMI/RFI issue and are widely used in communication applications, computers, digital and other information system products. These ferrite devices are typically useful when there is poor or no ground available, or capacitance cannot be tolerated by some high speed data line.

FEATURES

- Operating Temperature: -25ºC to +85ºC
- A closed circuit formed by internal silver printed layer, acting like a magnetic shield, minimizes heat generation and cross-talk.
- Nickel barrier termination makes the part suitable to use at either wave or IR soldering process.
- Easy to use, serial connection to Signal/Power lines for noise limiting purpose.
- 3 types of ferrite material and wide range of Impedance value for flexible needs.



PART NUMBERING GUIDE

ADMLB - 2012 - S - 600 - S - T

- PACKAGE TYPE
- CHIP DIMENSION
- MATERIAL TYPE:
  - S: FOR GENERAL APPLICATION.
  - P: IDENTICAL TO SD, BUT WITH HIGH CURRENT CAPABILITY.
  - N: NARROW BAND, HAVING SHARP IMPEDANCE CHARACTERISTICS.
- IMPEDANCE VALUE:
  - 060 = 6Ω
  - 150 = 15Ω
  - 601 = 600Ω
  - 102 = 1000Ω
- TOLERANCE:
  - S = ±25%
- TAPE & REEL

SPECIFICATIONS

SIZE	LENGTH (L) (inch) mm	WIDTH (W) (inch) mm	THICKNESS (T) (inch) mm	TERMINAL (S) (inch) mm
ADMLB-1608	(0.063 ± 0.008) 1.60 ± 0.2	(0.031 ± 0.006) 0.80 ± 0.15	(0.033 ± 0.008) 0.85 ± 0.2	(0.012 ± 0.004) 0.30 ± 0.1
ADMLB-2012	(0.080 ± 0.008) 2.00 ± 0.2	(0.050 ± 0.008) 1.25 ± 0.2	(0.033 ± 0.008) 0.85 ± 0.2	(0.020 ± 0.012) 0.50 ± 0.3
ADMLB-2012	(0.080 ± 0.008) 2.00 ± 0.2	(0.050 ± 0.008) 1.25 ± 0.2	(0.050 ± 0.008) 1.25 ± 0.2	(0.020 ± 0.012) 0.50 ± 0.3
ADMLB-3216	(0.126 ± 0.008) 3.20 ± 0.2	(0.063 ± 0.008) 1.60 ± 0.2	(0.050 ± 0.008) 1.05 ± 0.2	(0.020 ± 0.012) 0.50 ± 0.3
ADMLB-3216	(0.126 ± 0.008) 3.20 ± 0.2	(0.063 ± 0.008) 1.60 ± 0.2	(0.063 ± 0.008) 1.60 ± 0.2	(0.020 ± 0.012) 0.50 ± 0.3
ADMLB-4516	(0.180 ± 0.010) 4.50 ± 0.25	(0.063 ± 0.008) 1.60 ± 0.2	(0.063 ± 0.008) 1.60 ± 0.2	(0.028 ± 0.012) 0.70 ± 0.3
ADMLB-4532	(0.180 ± 0.010) 4.50 ± 0.25	(0.126 ± 0.008) 3.20 ± 0.2	(0.063 ± 0.008) 1.60 ± 0.2	(0.028 ± 0.012) 0.70 ± 0.3

Multilayer Chip Beads

Surface Mount

ADMLB Series — Continued

ADMLB-S SERIES STANDARD SPECIFICATIONS

PACKAGE TYPE	IMPEDANCE[1] (Ω)	PERCENT TOLERANCE	RDC[2] MAX. (Ω)	IDC[3] CURRENT (MA)
ADMLB-1608S 300S-T	30 @ 100 MHZ	S	0.20	200
ADMLB-1608S 400S-T	40 @ 100 MHZ	S	0.20	200
ADMLB-1608S 600S-T	60 @ 100 MHZ	S	0.20	200
ADMLB-1608S 800S-T	80 @ 100 MHZ	S	0.30	200
ADMLB-1608S 121S-T	120 @ 100 MHZ	S	0.30	200
ADMLB-1608S 221S-T	220 @ 100 MHZ	S	0.50	100
ADMLB-1608S 301S-T	300 @ 100 MHZ	S	0.60	100
ADMLB-1608S 451S-T	450 @ 100 MHZ	S	0.70	100
ADMLB-1608S 601S-T	600 @ 100 MHZ	S	0.80	100
ADMLB-1608S 751S-T	750 @ 100 MHZ	S	1.00	100
ADMLB-1608S 102S-T	1000 @ 100 MHZ	S	1.00	100
ADMLB-2012S 070S-T	7 @ 100 MHZ	S	0.10	600
ADMLB-2012S 090S-T	9 @ 100 MHZ	S	0.10	600
ADMLB-2012S 110S-T	11 @ 100 MHZ	S	0.10	600
ADMLB-2012S 170S-T	17 @ 100 MHZ	S	0.10	500
ADMLB-2012S 320S-T	32 @ 100 MHZ	S	0.20	500
ADMLB-2012S 600S-T	60 @ 100 MHZ	S	0.30	400
ADMLB-2012S 700S-T	70 @ 100 MHZ	S	0.30	400
ADMLB-2012S 800S-T	80 @ 100 MHZ	S	0.40	400
ADMLB-2012S 121S-T	120 @ 100 MHZ	S	0.40	200
ADMLB-2012S 151S-T	150 @ 100 MHZ	S	0.50	200
ADMLB-2012S 221S-T	220 @ 100 MHZ	S	0.60	200
ADMLB-2012S 301S-T	300 @ 100 MHZ	S	0.90	200
ADMLB-2012S 401S-T	400 @ 100 MHZ	S	0.90	200
ADMLB-2012S 501S-T	500 @ 100 MHZ	S	1.00	200
ADMLB-2012S 601S-T	600 @ 100 MHZ	S	1.00	200
ADMLB-2012S 102S-T	1000 @ 100 MHZ	S	1.00	100
ADMLB-2012S 152S-T	1500 @ 100 MHZ	S	1.00	100
ADMLB-3216S 190S-T	19 @ 100 MHZ	S	0.15	500
ADMLB-3216S 260S-T	26 @ 100 MHZ	S	0.15	500
ADMLB-3216S 320S-T	32 @ 100 MHZ	S	0.15	500
ADMLB-3216S 500S-T	50 @ 100 MHZ	S	0.20	400
ADMLB-3216S 600S-T	60 @ 100 MHZ	S	0.30	400
ADMLB-3216S 700S-T	70 @ 100 MHZ	S	0.30	400
ADMLB-3216S 900S-T	90 @ 100 MHZ	S	0.30	400
ADMLB-3216S 121S-T	120 @ 100 MHZ	S	0.40	400
ADMLB-3216S 151S-T	150 @ 100 MHZ	S	0.50	200
ADMLB-3216S 201S-T	200 @ 100 MHZ	S	0.50	200
ADMLB-3216S 401S-T	400 @ 100 MHZ	S	0.50	200
ADMLB-3216S 501S-T	500 @ 100 MHZ	S	0.50	200
ADMLB-3216S 601S-T	600 @ 100 MHZ	S	0.50	200
ADMLB-3216S 102S-T	1000 @ 100 MHZ	S	1.00	100
ADMLB-3216S 122S-T	1200 @ 100 MHZ	S	1.00	100
ADMLB-3216S 202S-T	2000 @ 100 MHZ	S	1.50	100

[1]Impedance is measured in HP-4286A LCR meter with HP-16192 fixture. [2]RDC is measured in HP-4338B millohmeter. [3]For 15°C rise.

ADMLB-P SERIES STANDARD SPECIFICATIONS

PACKAGE TYPE	IMPEDANCE[1] (Ω)	PERCENT TOLERANCE	RDC[2] MAX. (Ω)	IDC[3] CURRENT (MA)
ADMLB-1608P 110S-T	11 @ 100 MHz	M, S	0.02	5000
ADMLB-1608P 250S-T	25 @ 100 MHz	M, S	0.03	4000
ADMLB-2012P 110S-T	11 @ 100 MHz	M, S	0.01	6000
ADMLB-2012P 320S-T	32 @ 100 MHz	M, S	0.03	4000
ADMLB-2012P 600S-T	60 @ 100 MHz	M, S	0.03	4000
ADMLB-2012P 800S-T	80 @ 100 MHz	M, S	0.03	4000
ADMLB-3216P 260S-T	26 @ 100 MHz	M, S	0.02	7000
ADMLB-3216P 320S-T	32 @ 100 MHz	M, S	0.02	6000
ADMLB-3216P 500S-T	50 @ 100 MHz	M, S	0.02	5000
ADMLB-3216P 700S-T	70 @ 100 MHz	M, S	0.02	5000
ADMLB-3216P 800S-T	80 @ 100 MHz	M, S	0.02	5000
ADMLB-3216P 900S-T	90 @ 100 MHz	M, S	0.03	4000
ADMLB-4516P 600S-T	60 @ 100 MHz	M, S	0.02	6000
ADMLB-4516P 700S-T	70 @ 100 MHz	M, S	0.03	6000
ADMLB-4516P 800S-T	80 @ 100 MHz	M, S	0.03	5000
ADMLB-4532P 700S-T	70 @ 100 MHz	M, S	0.03	7000
ADMLB-4532P 121S-T	120 @ 100 MHz	M, S	0.03	4000

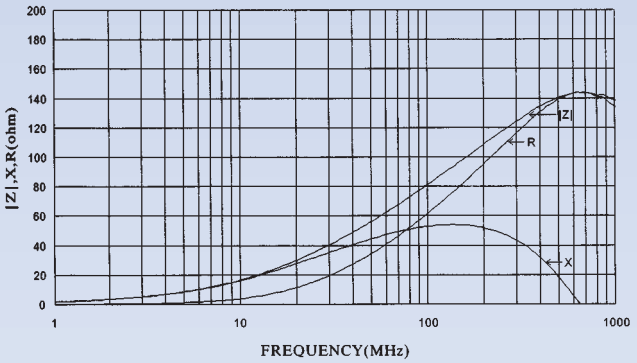
ADMLB-N SERIES STANDARD SPECIFICATIONS

PACKAGE TYPE	IMPEDANCE[1] (Ω)	PERCENT TOLERANCE	RDC[2] MAX. (Ω)	IDC[3] CURRENT (MA)
ADMLB-1608N 060S-T	6 @ 100 MHZ	S	0.05	500
ADMLB-1608N 100S-T	10 @ 100 MHZ	S	0.07	400
ADMLB-1608N 400S-T	40 @ 100 MHZ	S	0.30	300
ADMLB-1608N 800S-T	80 @ 100 MHZ	S	0.50	300
ADMLB-1608N 121S-T	120 @ 100 MHZ	S	0.50	300
ADMLB-1608N 241S-T	240 @ 100 MHZ	S	0.60	200
ADMLB-1608N 301S-T	300 @ 100 MHZ	S	0.60	200
ADMLB-1608N 481S-T	480 @ 100 MHZ	S	0.70	150
ADMLB-1608N 601S-T	600 @ 100 MHZ	S	0.80	100
ADMLB-2012N 060S-T	6 @ 100 MHZ	S	0.07	800
ADMLB-2012N 110S-T	11 @ 100 MHZ	S	0.10	700
ADMLB-2012N 260S-T	26 @ 100 MHZ	S	0.20	600
ADMLB-2012N 320S-T	32 @ 100 MHZ	S	0.20	600
ADMLB-2012N 600S-T	60 @ 100 MHZ	S	0.30	500
ADMLB-2012N 750S-T	75 @ 100 MHZ	S	0.30	500
ADMLB-2012N 900S-T	90 @ 100 MHZ	S	0.30	500
ADMLB-2012N 121S-T	120 @ 100 MHZ	S	0.40	400
ADMLB-2012N 151S-T	150 @ 100 MHZ	S	0.40	400
ADMLB-2012N 171S-T	170 @ 100 MHZ	S	0.50	400
ADMLB-2012N 221S-T	220 @ 100 MHZ	S	0.50	300
ADMLB-2012N 301S-T	300 @ 100 MHZ	S	0.60	300
ADMLB-2012N 401S-T	400 @ 100 MHZ	S	0.60	300
ADMLB-3216N 320S-T	32 @ 100 MHZ	S	0.20	600
ADMLB-3216N 600S-T	60 @ 100 MHZ	S	0.30	500
ADMLB-3216N 800S-T	80 @ 100 MHZ	S	0.30	500
ADMLB-3216N 900S-T	90 @ 100 MHZ	S	0.30	500
ADMLB-3216N 121S-T	120 @ 100 MHZ	S	0.40	400
ADMLB-3216N 151S-T	150 @ 100 MHZ	S	0.40	400
ADMLB-3216N 201S-T	200 @ 100 MHZ	S	0.50	300
ADMLB-3216N 221S-T	220 @ 100 MHZ	S	0.50	300
ADMLB-3216N 351S-T	350 @ 100 MHZ	S	0.60	300
ADMLB-3216N 401S-T	400 @ 100 MHZ	S	0.60	300
ADMLB-3216N 601S-T	600 @ 100 MHZ	S	0.80	300
ADMLB-3216N 122S-T	1200 @ 100 MHZ	S	1.00	200
ADMLB-3216N 152S-T	1500 @ 100 MHZ	S	1.20	150

[1]Impedance is measured in HP-4286A LCR meter with HP-16192 fixture. [2]RDC is measured in HP-4338B millohmeter. [3]For 15°C rise.

ELECTRICAL CHARACTERISTIC — S SERIES

ADMLB-1608S-800S



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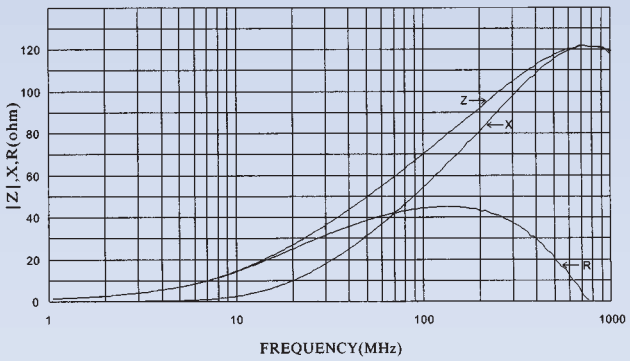

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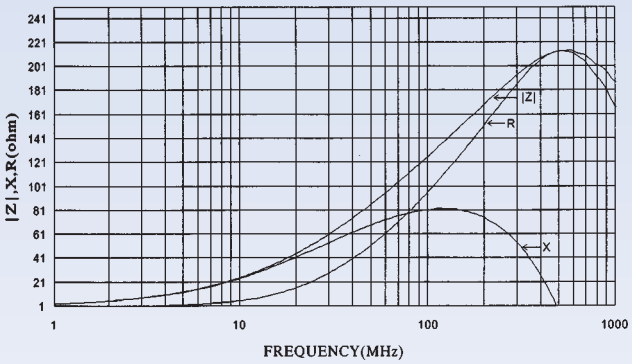

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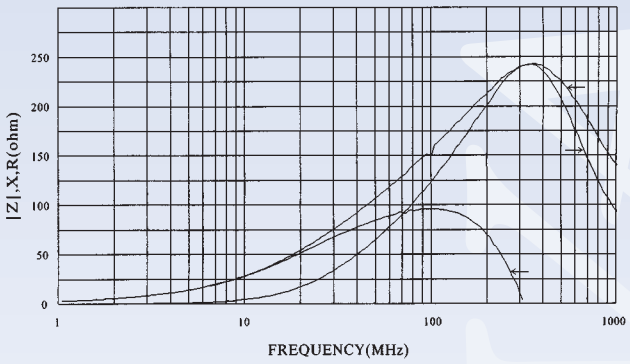

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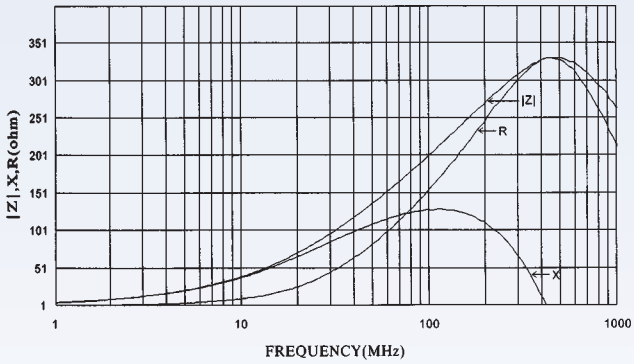

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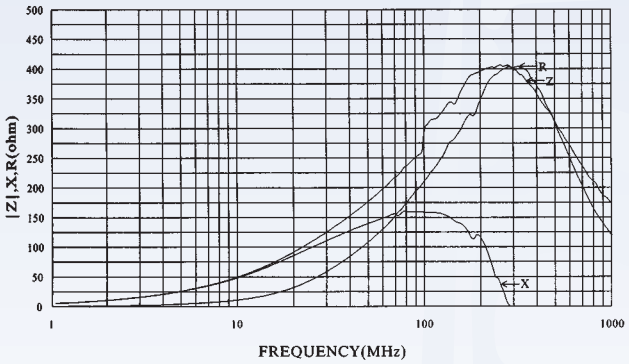

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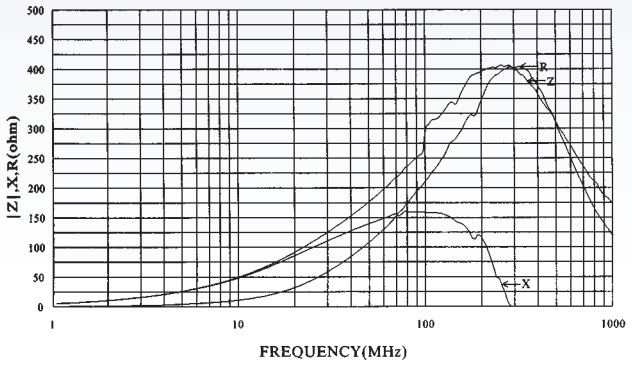

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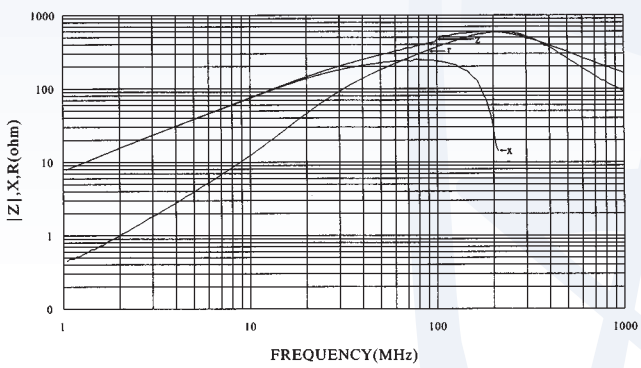

ELECTRICAL CHARACTERISTIC — S SERIES

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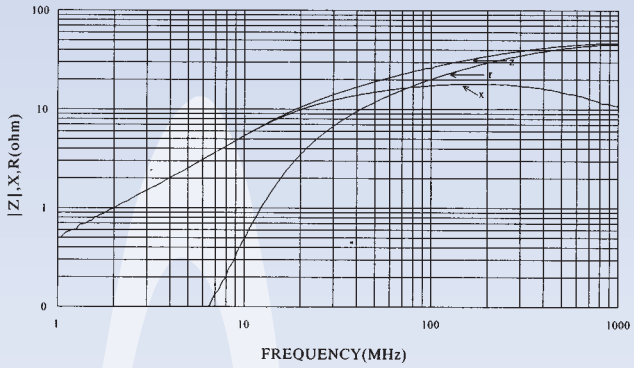

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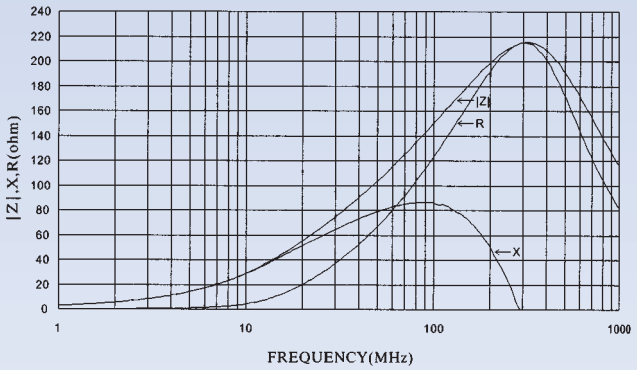

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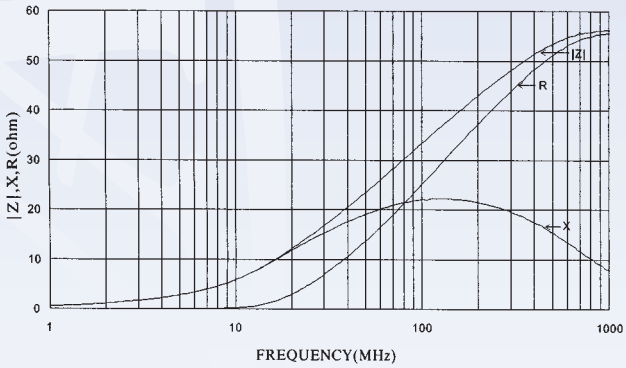

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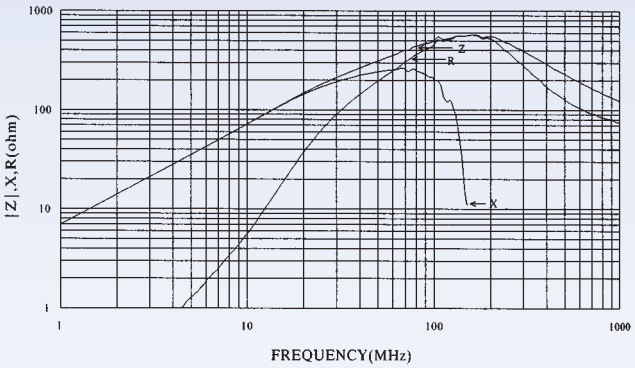

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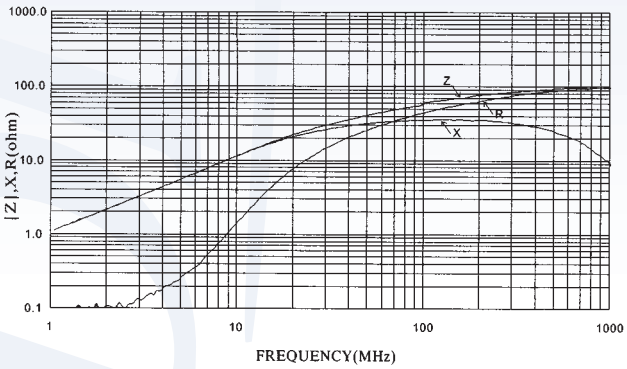

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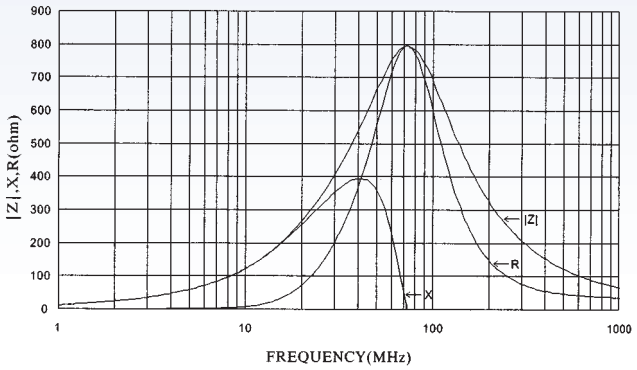

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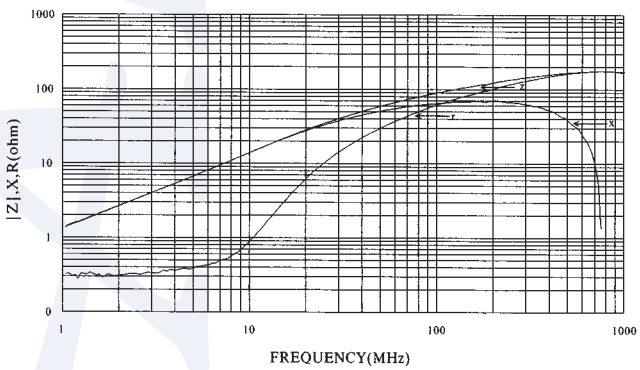

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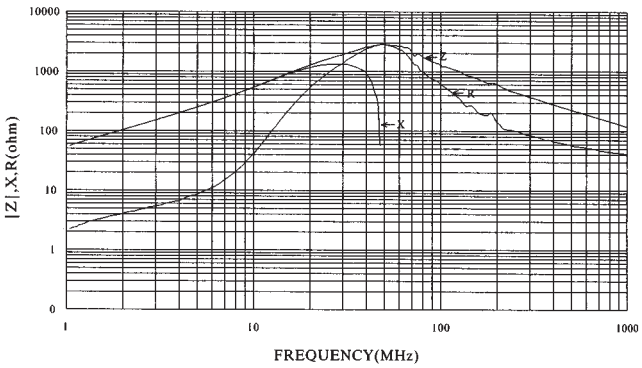

ELECTRICAL CHARACTERISTIC — P SERIES

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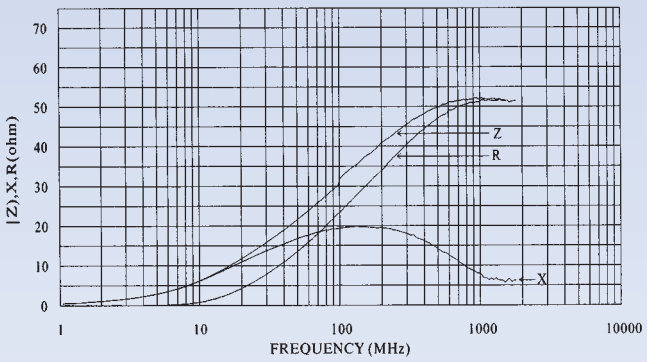

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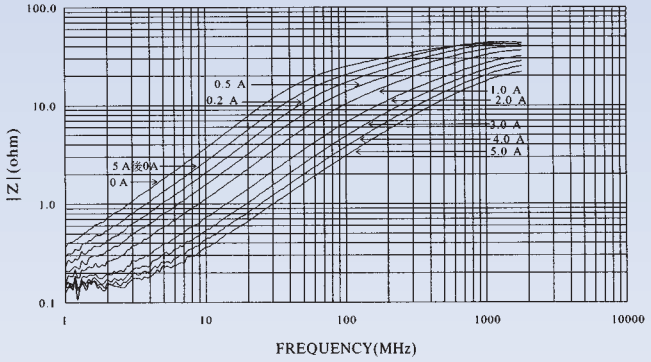

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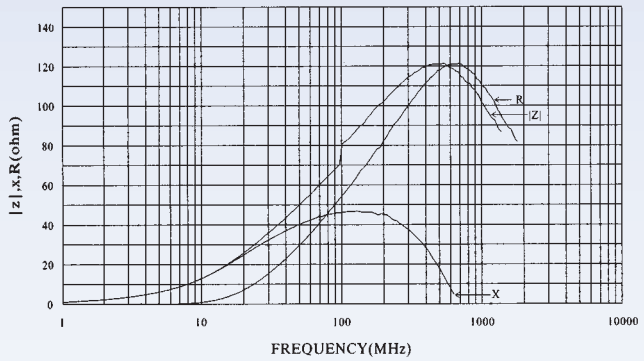

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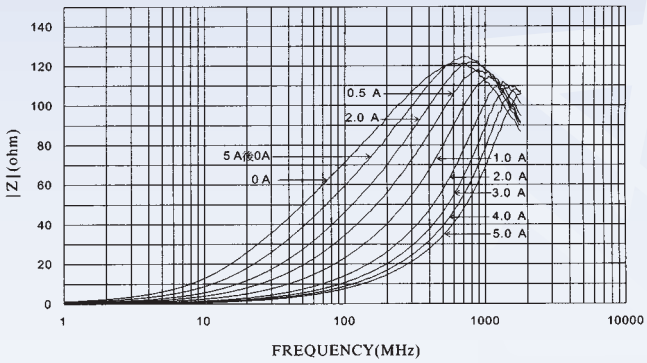

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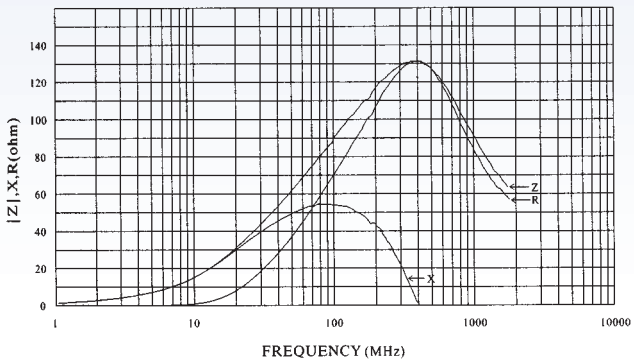

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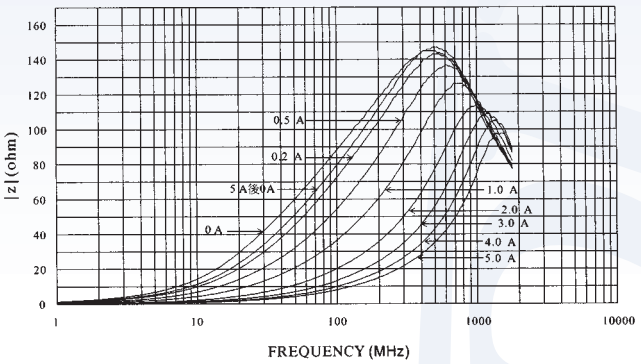

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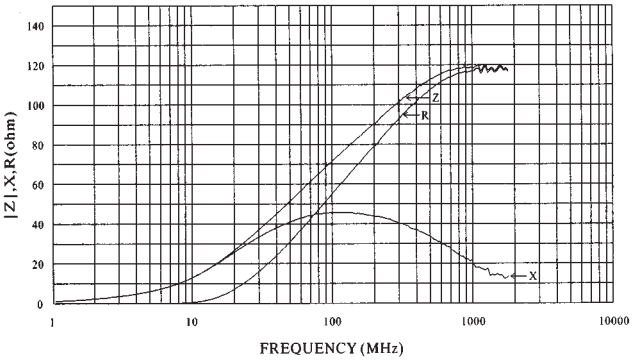

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