

Multilayer Chip Inductor / High Current Chip Beads MI2012 SERIES

- Great reduce the possibility of resonance and signal wave forms undistorted.
- Noise reduction solution for general signal line.
- Excellent solder heat resistance.
- Various impedances are available to match signal frequency.

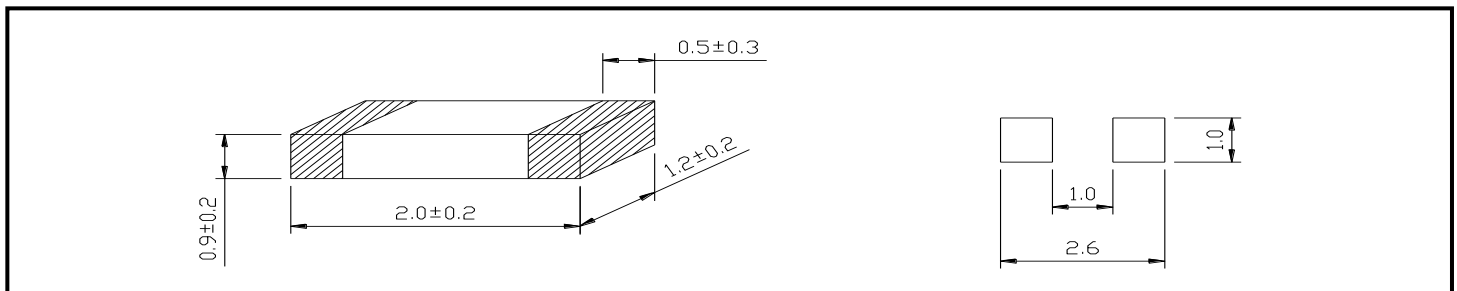


PART NUMBERING SYSTEM

<u>MI</u>	<u>2012</u>	—	<u>600</u>	—	<u>3A</u>	—	<u>LF</u>
TYPE	DIMENSIONS		IMPEDANCE		DC CURRENT		LEAD FREE

SHAPES AND DIMENSIONS

UNIT : mm



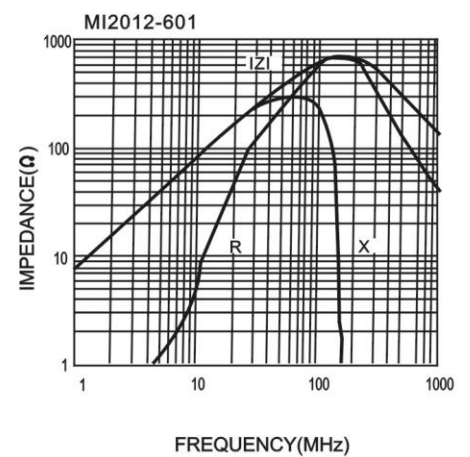
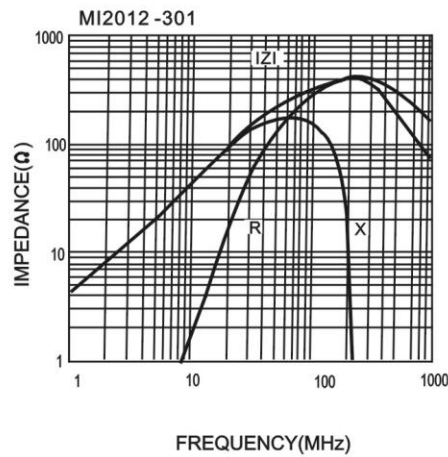
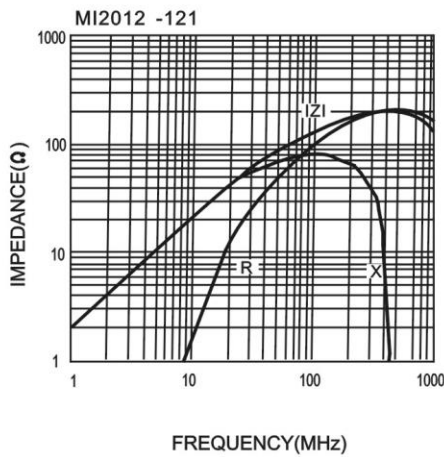
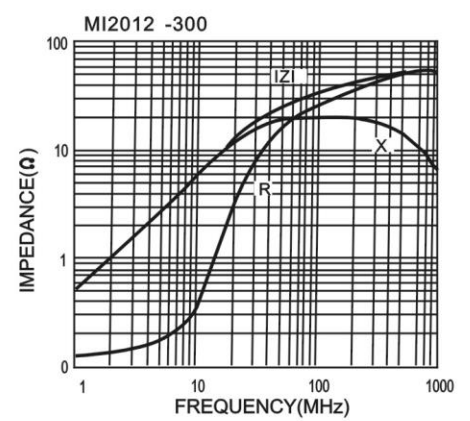
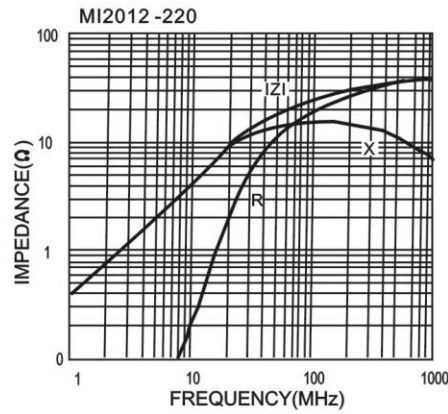
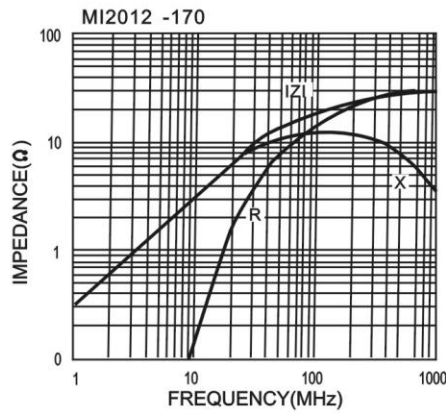
SPECIFICATION TABLE

PART NUMBER	IMPEDANCE (Ω) at 100MHz	DCR (Ω) (Max.)	IDC (A) (Max.)
MI2012-100-3A-LF	10±25%	0.010	3.0
MI2012-100-6A-LF	10±25%	0.010	6.0
MI2012-110-3A-LF	11±25%	0.030	3.0
MI2012-110-6A-LF	11±25%	0.008	6.0
MI2012-170-3A-LF	17±25%	0.030	3.0
MI2012-200-6A-LF	20±25%	0.010	6.0
MI2012-220-3A-LF	22±25%	0.030	3.0
MI2012-220-6A-LF	22±25%	0.010	6.0
MI2012-260-4A-LF	26±25%	0.020	4.0
MI2012-300-1A-LF	30±25%	0.100	1.0
MI2012-300-3A-LF	30±25%	0.025	3.0
MI2012-300-6A-LF	30±25%	0.015	6.0
MI2012-300-8.5A-LF	30±25%	0.004	8.5
MI2012-300-10A-LF	30±25%	0.003	10.0
MI2012-310-3A-LF	31±25%	0.030	3.0
MI2012-310-6A-LF	31±25%	0.008	6.0
MI2012-330-3A-LF	33±25%	0.030	3.0

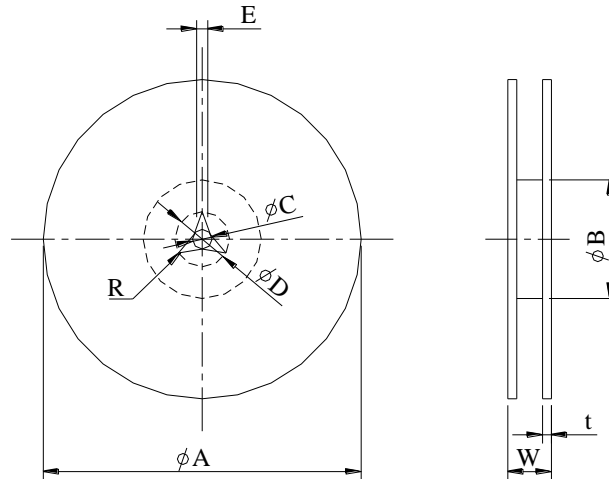
PART NUMBER	IMPEDANCE (Ω) at 100MHz	DCR (Ω) (Max.)	IDC (A) (Max.)
MI2012-330-6A-LF	33±25%	0.008	6.0
MI2012-390-6A-LF	39±25%	0.008	6.0
MI2012-400-4A-LF	40±25%	0.025	4.0
MI2012-420-4A-LF	42±25%	0.020	4.0
MI2012-470-3A-LF	47±25%	0.030	3.0
MI2012-520-3A-LF	52±25%	0.030	3.0
MI2012-600-3A-LF	60±25%	0.040	3.0
MI2012-600-4A-LF	60±25%	0.025	4.0
MI2012-600-6A-LF	60±25%	0.020	6.0
MI2012-700-4A-LF	70±25%	0.020	4.0
MI2012-750-1A-LF	75±25%	0.100	1.0
MI2012-800-3A-LF	80±25%	0.040	3.0
MI2012-800-6A-LF	80±25%	0.030	6.0
MI2012-101-1A-LF	100±25%	0.150	1.0
MI2012-101-4A-LF	100±25%	0.020	4.0
MI2012-121-3A-LF	120±25%	0.050	3.0
MI2012-121-6A-LF	120±25%	0.025	6.0
MI2012-151-1A-LF	150±25%	0.150	1.0
MI2012-151-3A-LF	150±25%	0.050	3.0
MI2012-181-3.1A-LF	180±25%	0.040	3.1
MI2012-201-3A-LF	220±25%	0.050	3.0
MI2012-221-2A-LF	220±25%	0.050	2.0
MI2012-221-3A-LF	220±25%	0.050	3.0
MI2012-241-2A-LF	240±25%	0.080	2.0
MI2012-251-3A-LF	250±25%	0.040	3.0
MI2012-301-2A-LF	300±25%	0.070	2.0
MI2012-301-3A-LF	300±25%	0.050	3.0
MI2012-331-2A-LF	330±25%	0.090	2.0
MI2012-331-3A-LF	330±25%	0.050	3.0
MI2012-471-2A-LF	470±25%	0.100	2.0
MI2012-601-2A-LF	600±25%	0.100	2.0
MI2012-102-1A-LF	1000±25%	0.300	1.0
MI2012-102-1.5A-LF	1000±25%	0.120	1.5
MI2012-152-1A-LF	1500±25%	0.300	1.0
MI2012-202-1A-LF	2000±25%	0.300	1.0

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55°C to +125°C
- Electrical specifications at 25°C

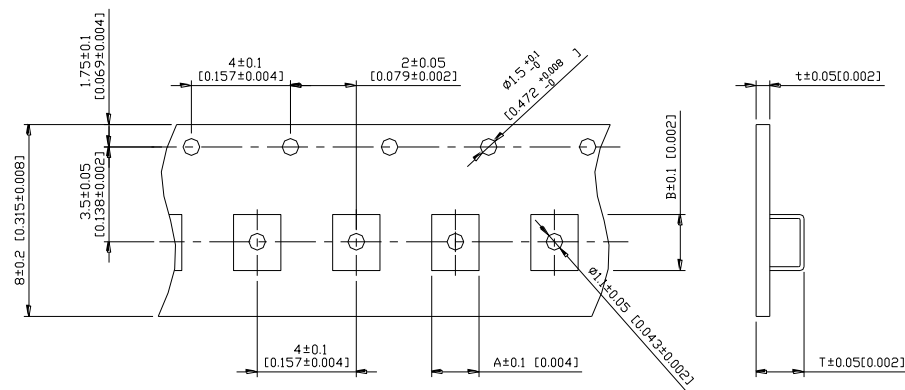
IMPEDANCE vs FREQUENCY



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	A	B	C	D	E	W8	W12	t	R
T($\psi 178\text{mm}$) Reel	$\psi 178 \pm 2$	$\psi 60 \pm 1$	$\psi 13 \pm 0.8$	$\psi 21 \pm 0.8$	2	10 ± 1.5	14.5 ± 1.5	1.27 ± 0.2	1



TYPE	A	B	T	t	T($\phi 178\text{mm}$)	
2012	1.55	2.30	1.20	0.2	4000 pcs/reel	