

Multilayer Chip Beads / Ferrite Chip Beads MB1005-A SERIES ~



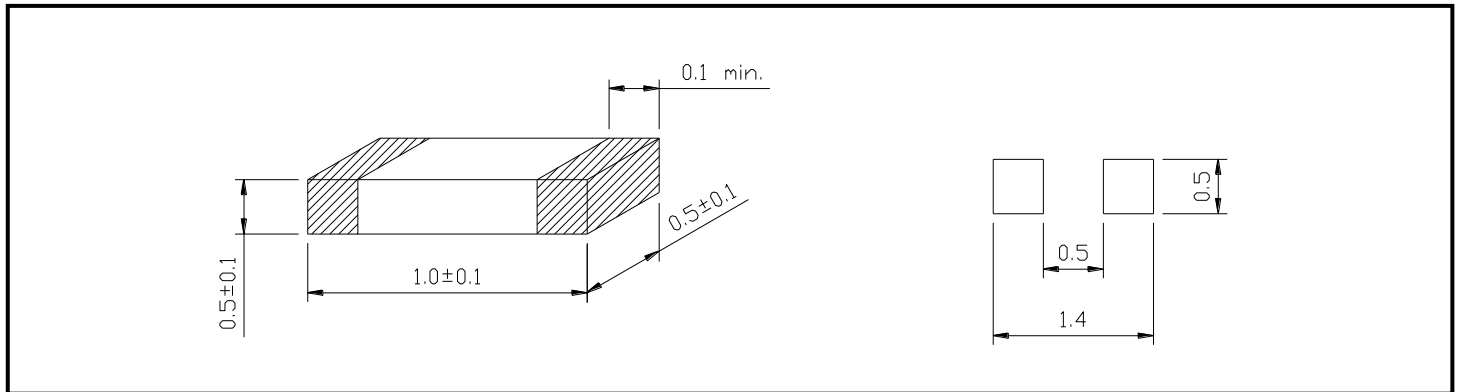
PART NUMBERING SYSTEM

(AEC-Q200)

MB	-	1005	-	100	-	LF	-	A
TYPE		DIMENSIONS		IMPEDANCE		LEAD FREE		AUTOMOTIVE

SHAPES AND DIMENSIONS

UNIT : mm



SPECIFICATION TABLE

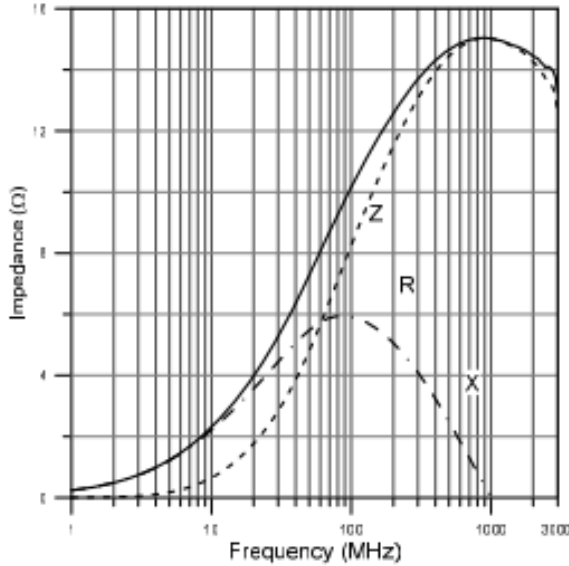
PART NUMBER	IMPEDANCE (Ω) at 100MHz	DCR (Ω) (max)	IDC (mA) (max)
MB1005-100-LF-A	10±25%	0.05	500
MB1005-220-LF-A	22±25%	0.15	500
MB1005-300-LF-A	30±25%	0.20	400
MB1005H-330-LF-A	33±25%	0.40	300
MB1005T-470-LF-A	47±25%	0.25	500
MB1005-600-LF-A	60±25%	0.25	300
MB1005HP-600-LF-A	60±25%	0.15	500
MB1005-680-LF-A	68±25%	0.15	500
MB1005-700-LF-A	70±25%	0.40	200
MB1005HP-700-LF-A	70±25%	0.15	500
MB1005-750-LF-A	75±25%	0.40	300
MB1005-750-0.6A-LF-A	75±25%	0.30	600
MB1005-800-LF-A	80±25%	0.40	200

PART NUMBER	IMPEDANCE (Ω) at 100MHz	DCR (Ω) (max)	IDC (mA) (max)
MB1005-101-LF-A	100 \pm 25%	0.45	200
MB1005H-101-0.4A-LF-A	100 \pm 25%	0.30	400
MB1005-121-LF-A	120 \pm 25%	0.30	300
MB1005H-121-LF-A	120 \pm 25%	0.25	500
MB1005T-121-LF-A	120 \pm 25%	0.30	500
MB1005-151-LF-A	150 \pm 25%	0.60	200
MB1005-181-LF-A	180 \pm 25%	0.65	100
MB1005-221-LF-A	220 \pm 25%	0.70	200
MB1005LD-221-LF-A	220 \pm 25%	0.35	300
MB1005-221-0.7A-LF-A	220 \pm 25%	0.28	700
MB1005-241-LF-A	240 \pm 25%	0.40	200
MB1005H-241-LF-A	240 \pm 25%	0.35	300
MB1005HP-241-LF-A	240 \pm 25%	0.30	500
MB1005-301-LF-A	300 \pm 25%	0.50	200
MB1005-331-LF-A	330 \pm 25%	0.75	100
MB1005-451-LF-A	450 \pm 25%	0.60	200
MB1005-471-LF-A	470 \pm 25%	0.90	100
MB1005H-471-0.3A-LF-A	470 \pm 25%	0.60	300
MB1005-501-LF-A	500 \pm 25%	1.00	100
MB1005-601-LF-A	600 \pm 25%	0.34	700
MB1005T-601-LF-A	600 \pm 25%	0.50	700
MB1005-102-LF-A	1000 \pm 25%	1.00	200
MB1005H-102-0.3A-LF-A	1000 \pm 25%	0.85	300
MB1005-152-LF-A	1500 \pm 25%	1.15	100
MB1005H-152-LF-A	1500 \pm 25%	1.30	200
MB1005-182-LF-A	1800 \pm 25%	1.70	200
MB1005H-182-LF-A	1800 \pm 25%	0.80	250
MB1005-222-LF-A	2200 \pm 25%	1.40	100

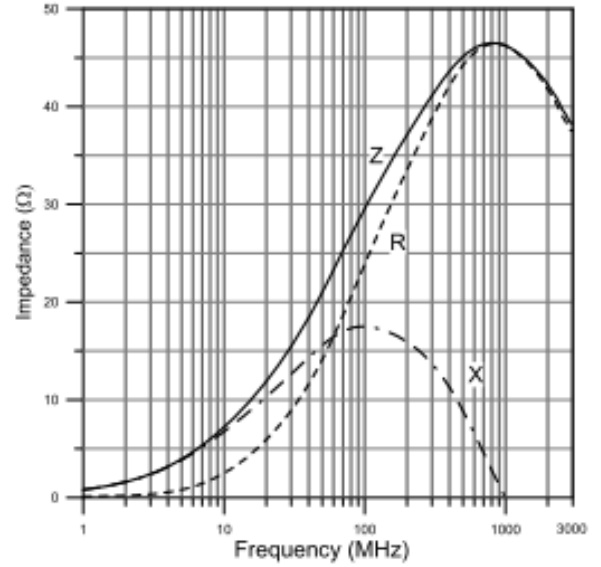
- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55 $^{\circ}$ C to +125 $^{\circ}$ C
- Electrical specifications at 25 $^{\circ}$ C
- Noise reduction solution for general signal line.
- Great reduce the possibility of resonance and signal wave forms undistorted.
- Excellent solder heat resistance.
- Various impedances are available to match signal frequency.

IMPEDANCE vs FREQUENCY

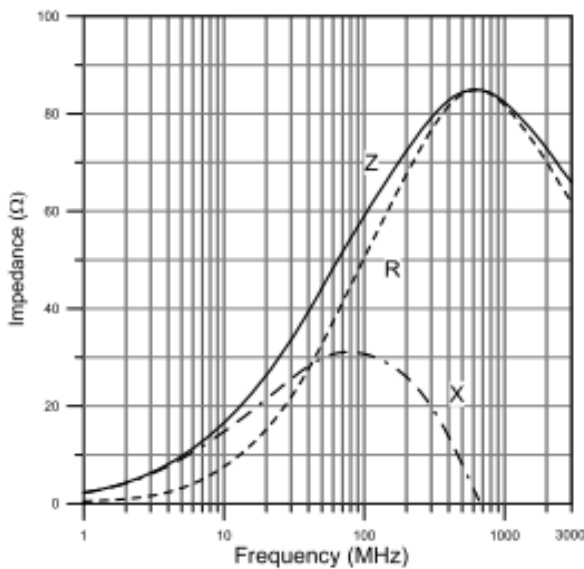
MB1005-100-LF



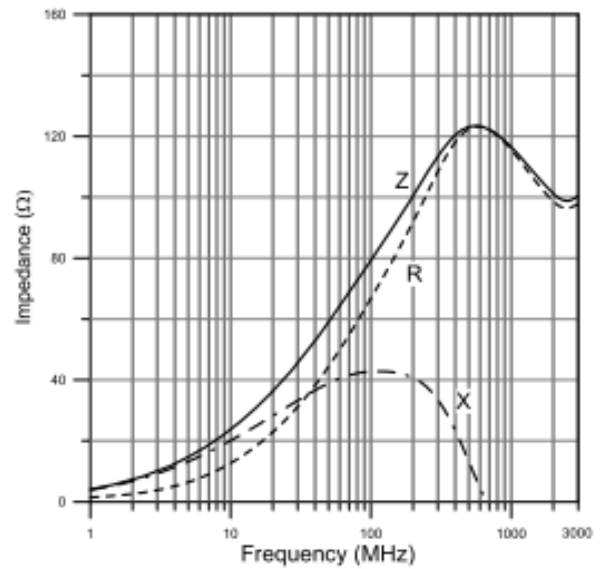
MB1005-300-LF



MB1005-600-LF

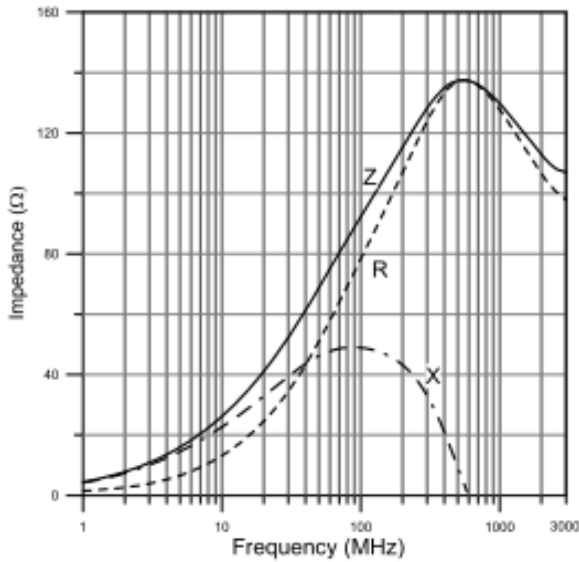


MB1005-800-LF

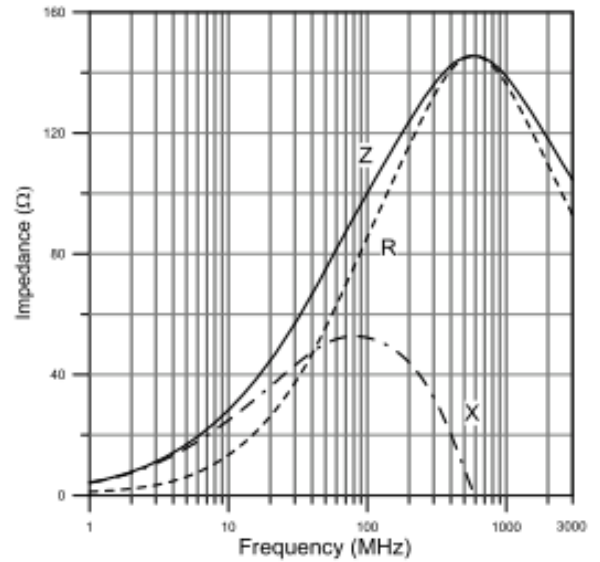


IMPEDANCE vs FREQUENCY

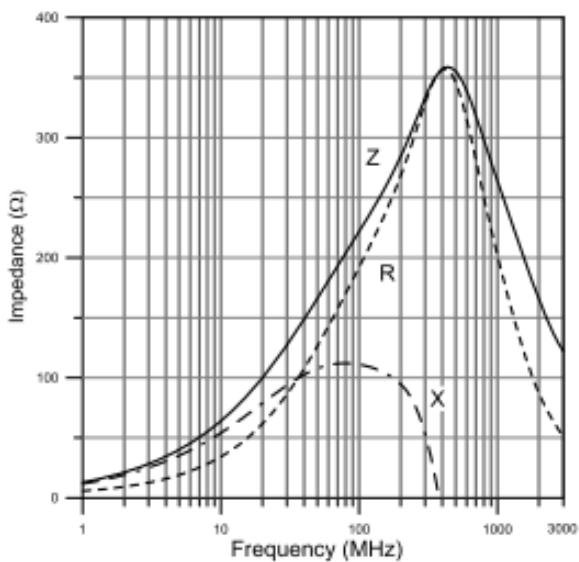
MB1005-101-LF



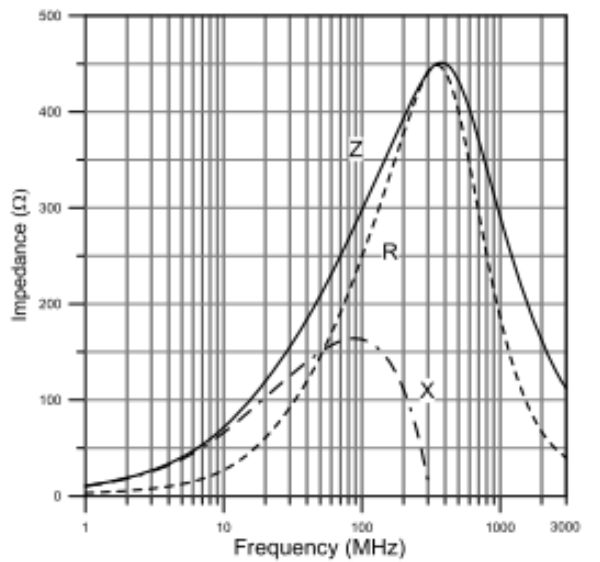
MB1005-121-LF



MB1005-221-LF

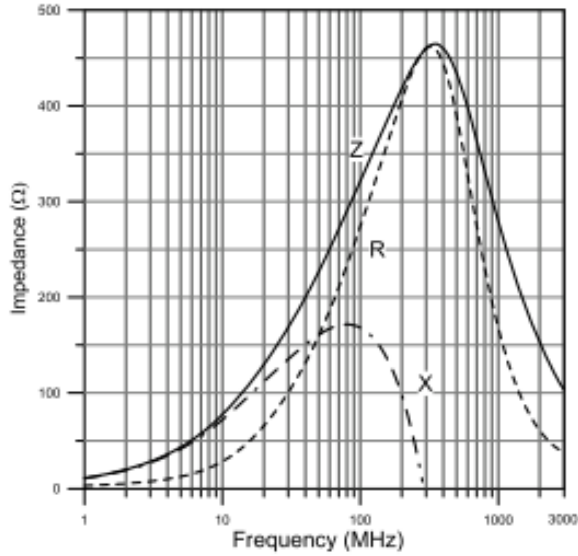


MB1005-301-LF

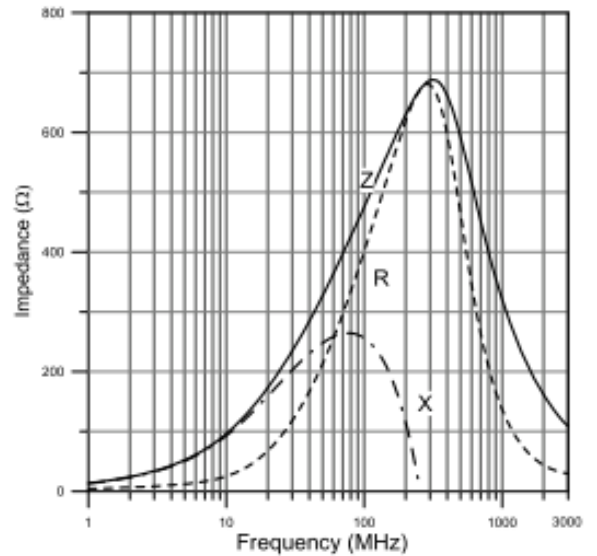


IMPEDANCE vs FREQUENCY

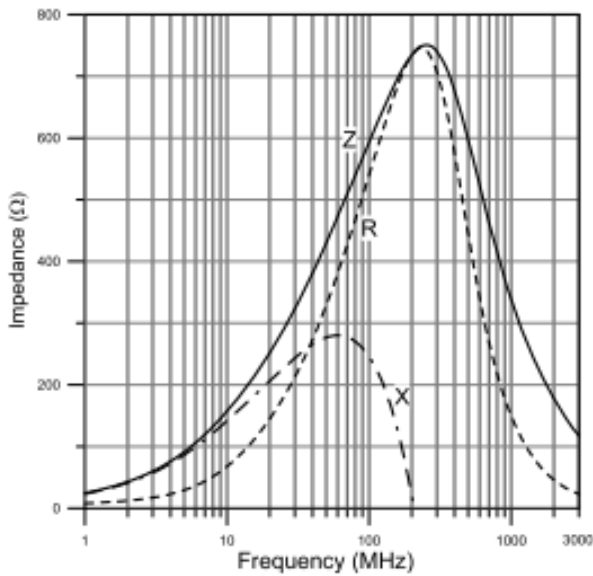
MB1005-331-LF



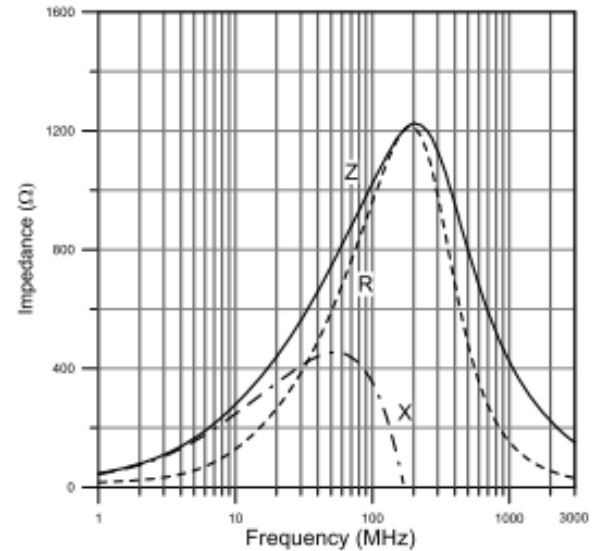
MB1005-471-LF



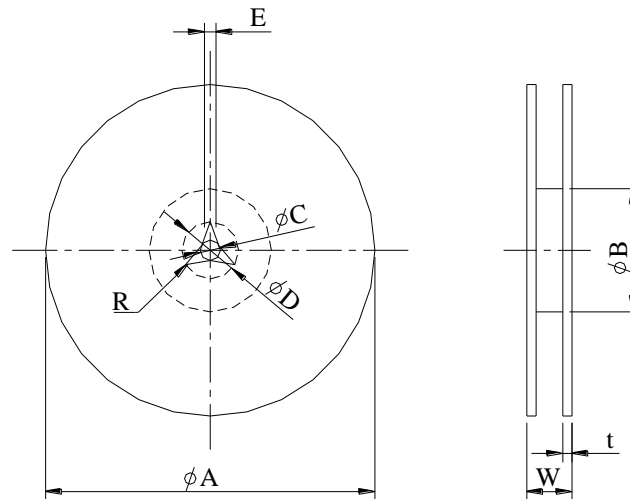
MB1005-601-LF



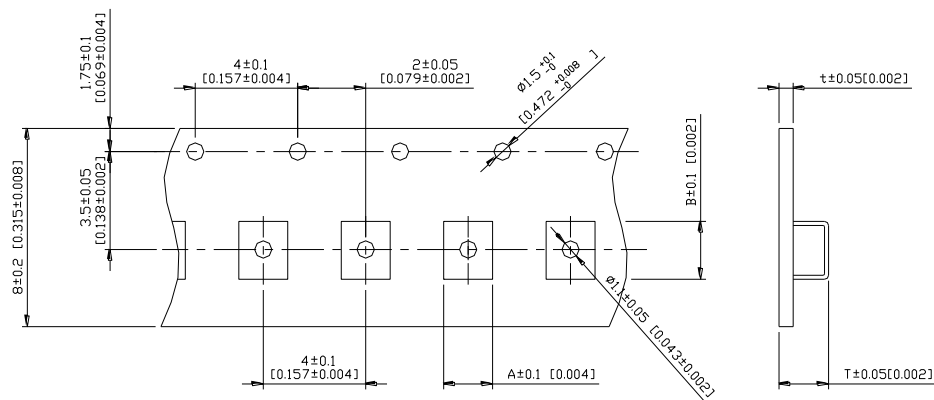
MB1005-102-LF



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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($\phi 178\text{mm}$)	T($\phi 330\text{mm}$)
MB1005	0.65	1.15	0.80	0.2	10000 pcs/reel	—