

## Multilayer Chip Beads / Ferrite Chip Beads MB1005 SERIES ~

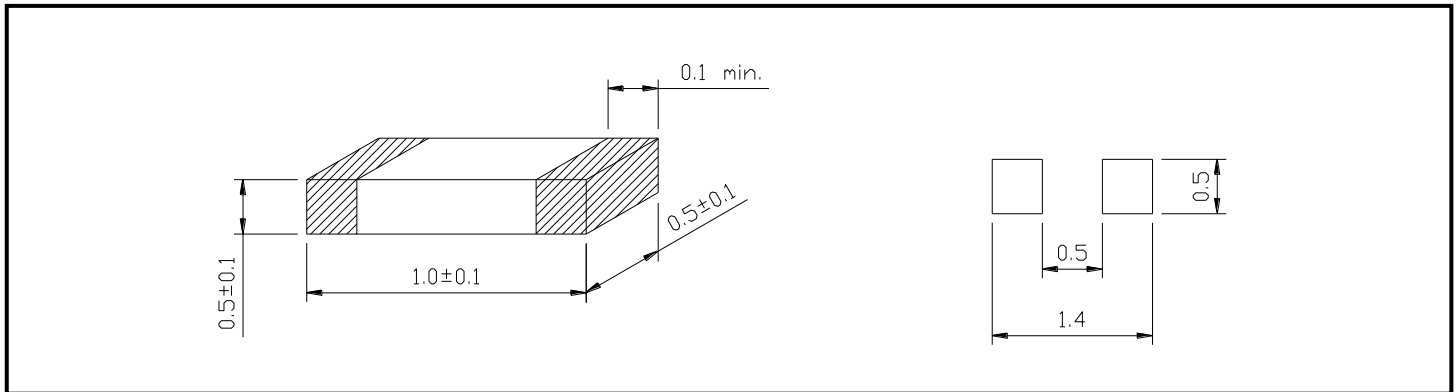


### PART NUMBERING SYSTEM

<b>MB</b>	<b>1005</b>	—	<b>151</b>	—	<b>LF</b>
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

### SHAPES AND DIMENSIONS

UNIT : mm



### SPECIFICATION TABLE

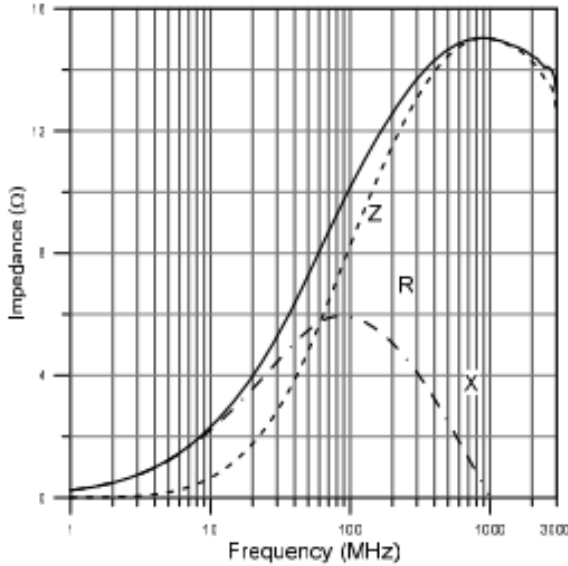
PART NUMBER	IMPEDANCE ( $\Omega$ ) at 100MHz	DCR ( $\Omega$ ) (max)	IDC (mA) (max)
MB1005-100-LF	10±25%	0.05	500
MB1005-220-LF	22±25%	0.15	500
MB1005-300-LF	30±25%	0.20	400
MB1005H-330-LF	33±25%	0.40	300
MB1005T-470-LF	47±25%	0.25	500
MB1005-600-LF	60±25%	0.25	300
MB1005HP-600-LF	60±25%	0.15	500
MB1005-680-LF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

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

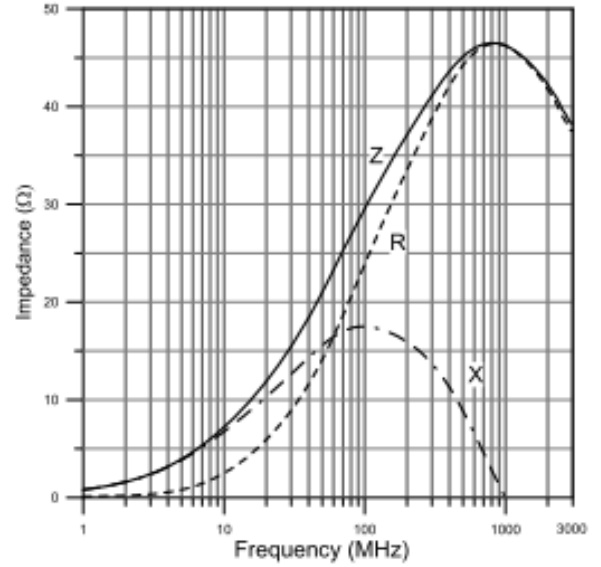
- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55 $^{\circ}$ C to +125 $^{\circ}$ C
- Electrical specifications at 25 $^{\circ}$ C
- Noise reduction solution for general signal line.
- Great reduce the possibility of resonance and signal wave forms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

## IMPEDANCE vs FREQUENCY

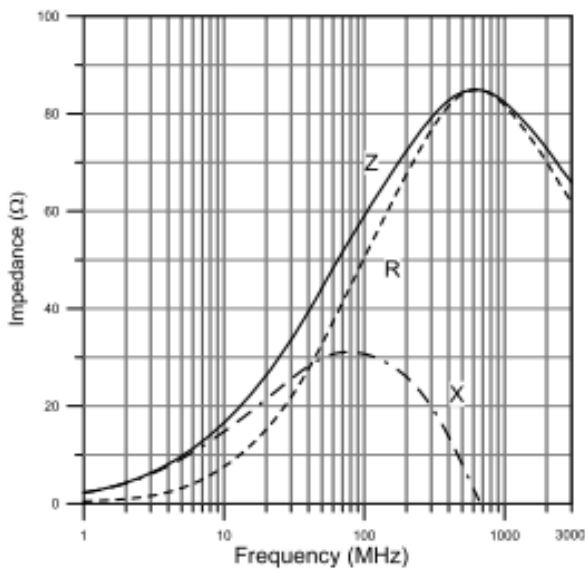
**MB1005-100-LF**



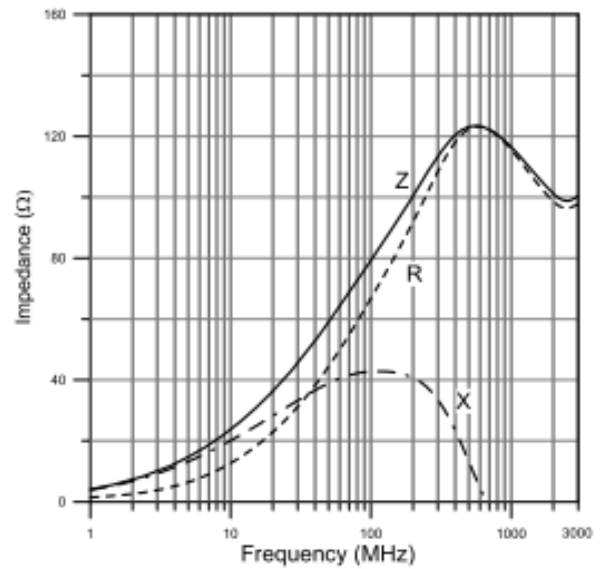
**MB1005-300-LF**



**MB1005-600-LF**

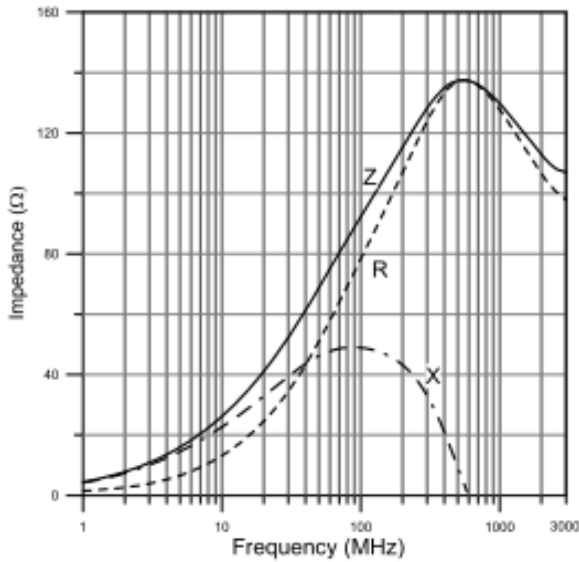


**MB1005-800-LF**

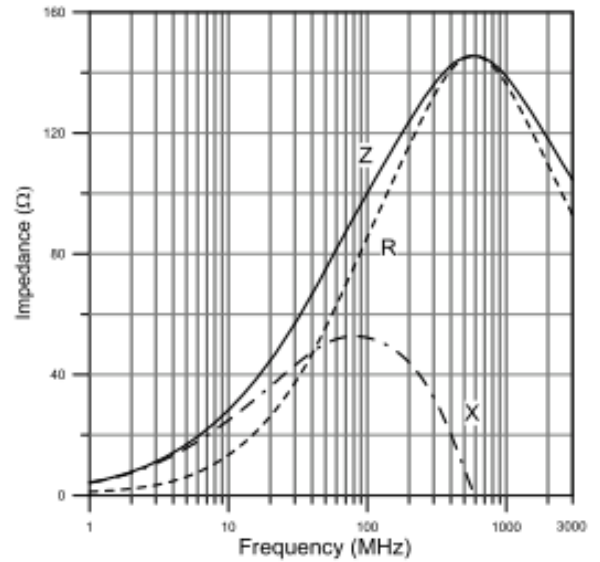


## IMPEDANCE vs FREQUENCY

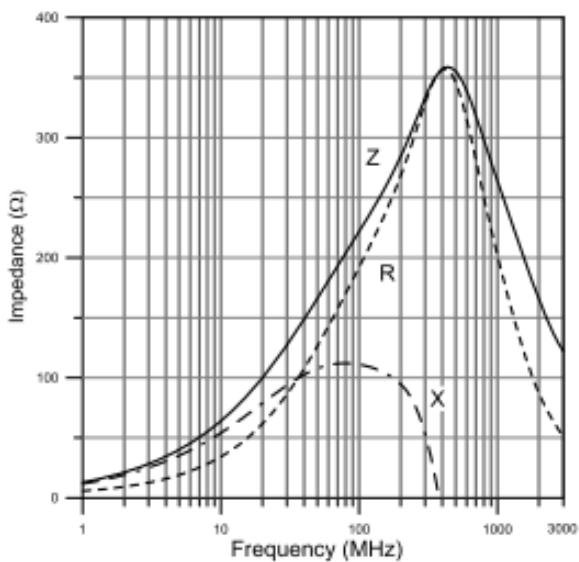
**MB1005-101-LF**



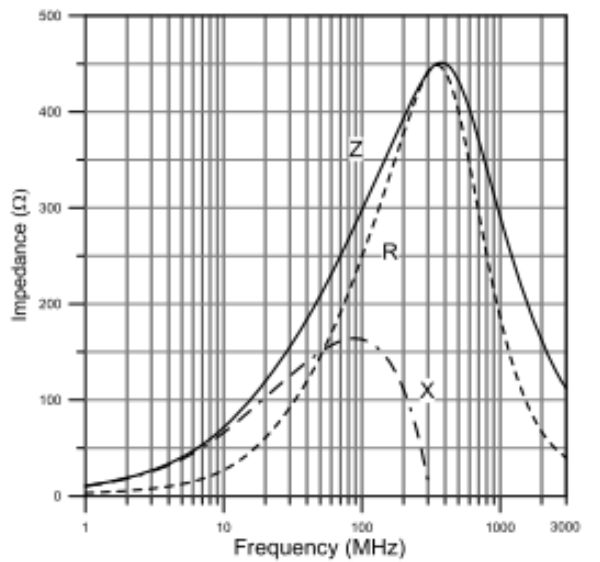
**MB1005-121-LF**



**MB1005-221-LF**

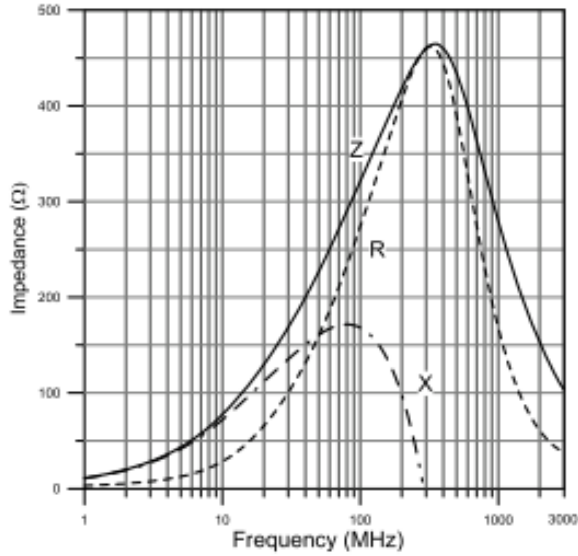


**MB1005-301-LF**

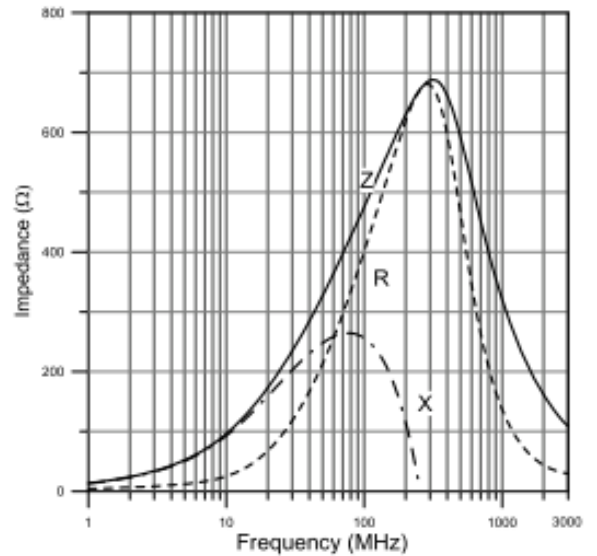


## IMPEDANCE vs FREQUENCY

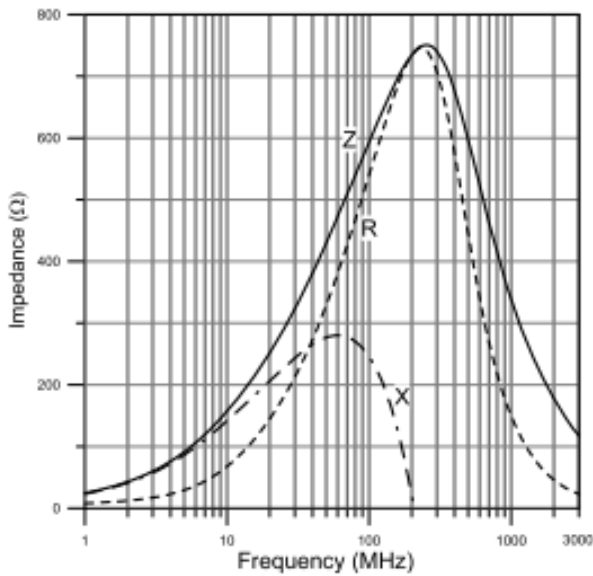
**MB1005-331-LF**



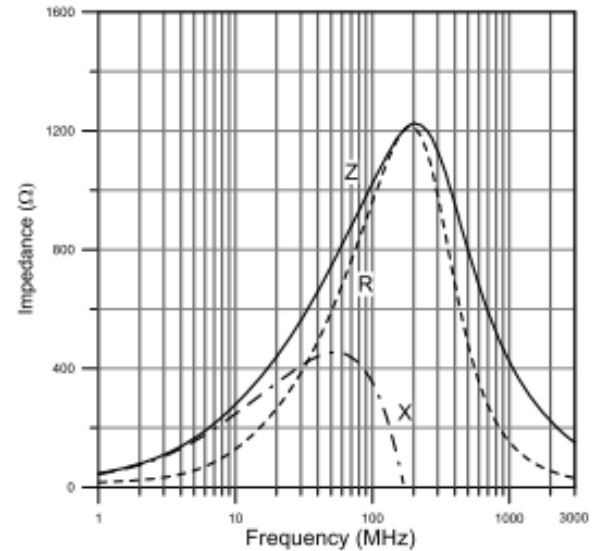
**MB1005-471-LF**



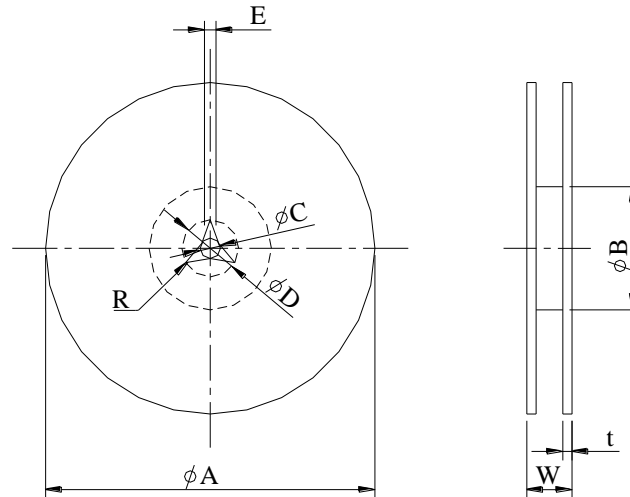
**MB1005-601-LF**



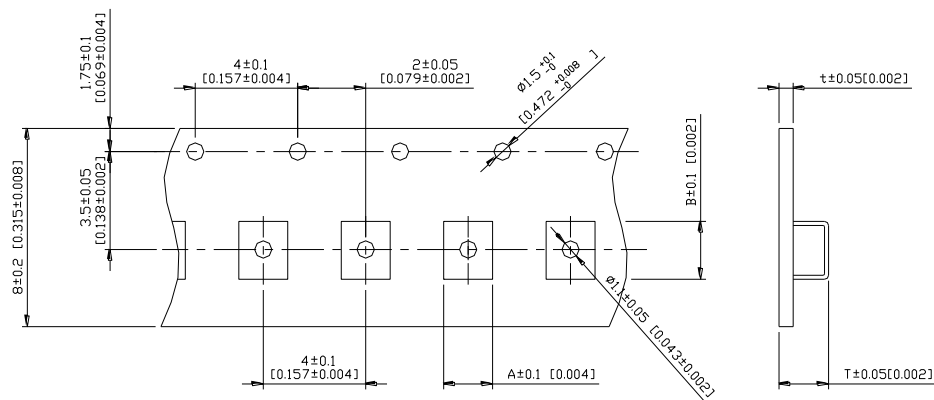
**MB1005-102-LF**



## Multilayer Chip Beads / Ferrite Chip Beads MB1005 SERIES ~



	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	$10 \pm 1.5$	$14.5 \pm 1.5$	$1.27 \pm 0.2$	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	—