



## MB2012 SERIES ~ Multilayer Chip Beads / Ferrite Chip Beads

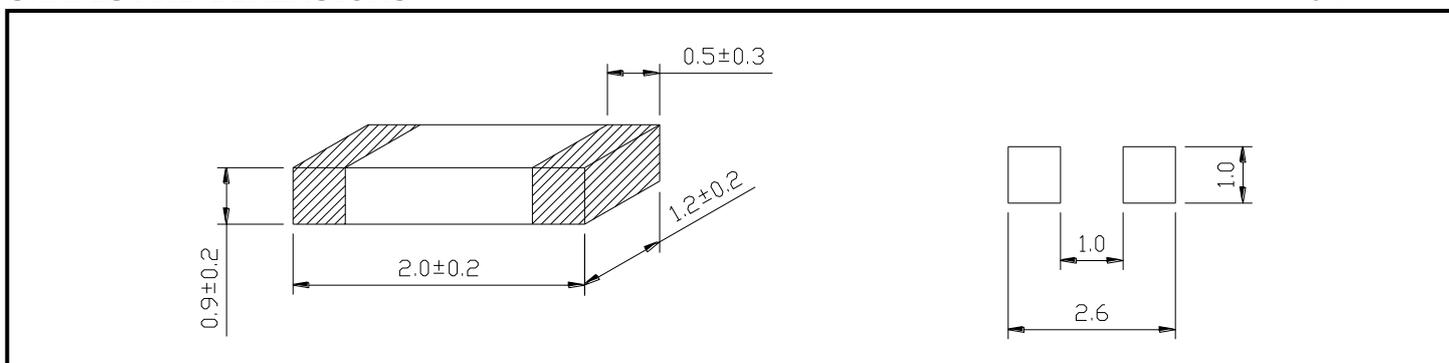


### PART NUMBERING SYSTEM

<b>MB</b>	<b>2012</b>	—	<b>151</b>	—	<b>LF</b>
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

### SHAPES AND DIMENSIONS

UNIT : mm



### SPECIFICATION TABLE

PART NUMBER	IMPEDANCE (Ω) at 100MHz	DCR (Ω) (max)	IDC (mA) (max)
MB2012-110-LF	11±25%	0.10	300
MB2012-310-LF	31±25%	0.10	300
MB2012-600-LF	60±25%	0.15	300
MB2012-800-LF	80±25%	0.15	300
MB2012-101-LF	100±25%	0.20	300
MB2012-121-LF	120±25%	0.20	300
MB2012-151-LF	150±25%	0.20	300
MB2012-221-LF	220±25%	0.25	300
MB2012-301-LF	300±25%	0.25	300
MB2012-401-LF	400±25%	0.30	300
MB2012-601-LF	600±25%	0.35	300
MB2012-102-LF	1000±25%	0.45	300
MB2012-152-LF	1500±25%	0.70	300
MB2012-202-LF	2000±25%	0.40	200
MB2012-222-LF	2200±25%	0.50	200
MB2012-252-LF	2500±25%	0.60	200
MB2012-272-LF	2700±25%	0.60	200

● Operating temperature range -55°C to +125°C , Electrical specifications at 25°C..

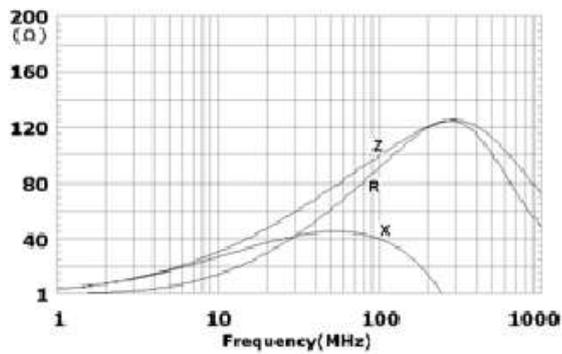


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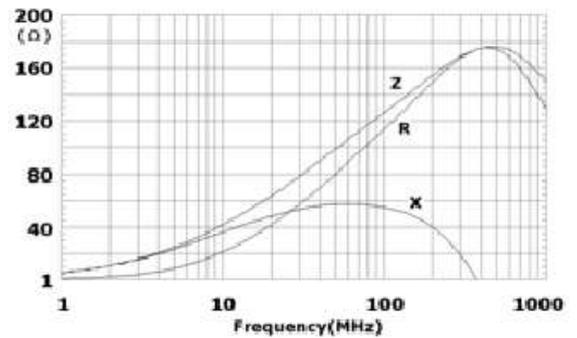


### IMPEDANCE vs FREQUENCY

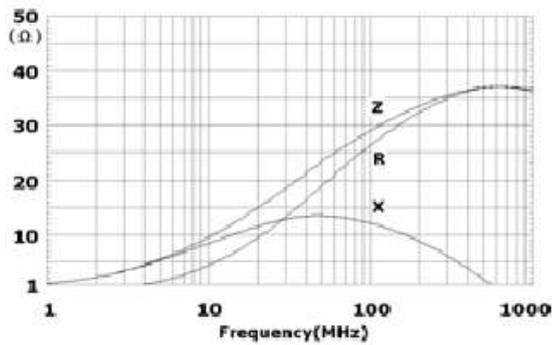
**MB2012-101-LF**



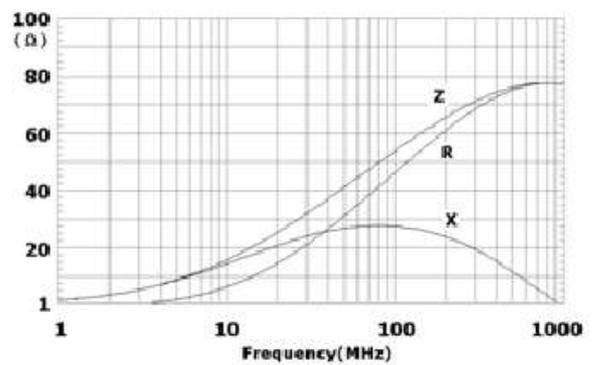
**MB2012-121-LF**



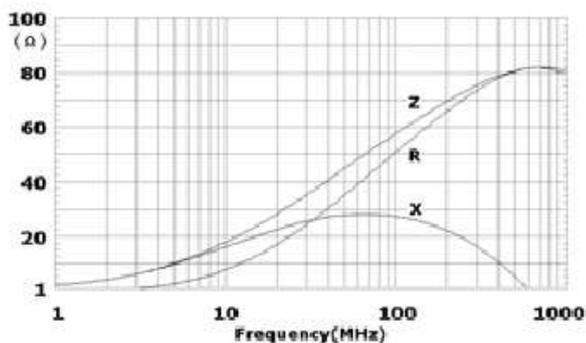
**MB2012-310-LF**



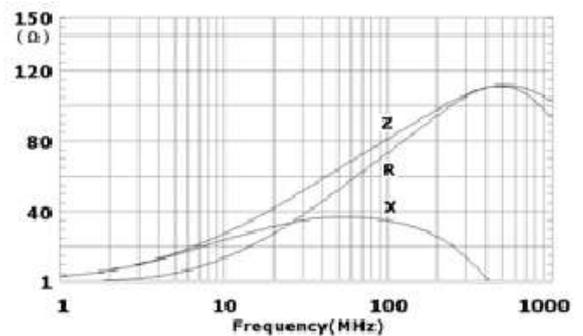
**MB2012-520-LF**



**MB2012-600-LF**



**MB2012-800-LF**

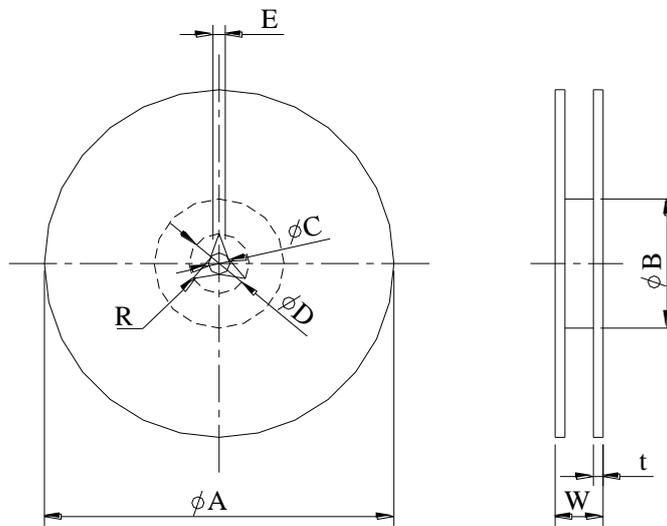




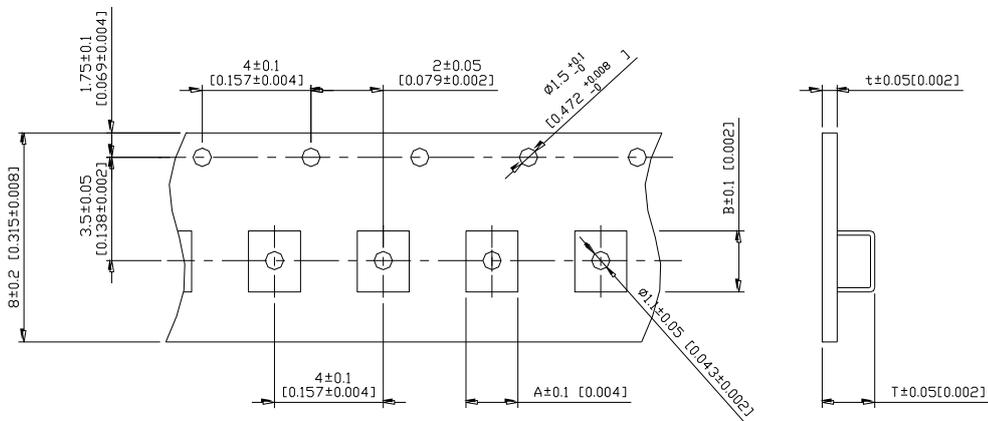
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### PACKAGING SPECIFICATION



	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( $\psi 178\text{mm}$ )	T( $\psi 330\text{mm}$ )
MB2012	1.55	2.30	1.20	0.2	4000 pcs/reel	-