叠层片式磁珠——通用型 WLCB 系列

特征&应用

●在较宽频率范围内具有优良的抑制 EMI 性能

●独石无机材料结构，具有优良的闭合磁回路。

●无交叉耦合，自身不产生电磁污染，兼之体积小、无引线，适合于高密度贴装使用。

●环保产品，适合无铅焊锡。

●可广泛应用于计算机及其外设、数字录放影机、数字平板电视等的噪声抑制、消除。

标识方法

WLCB	1608	—	300	Ω
（1）	（2）		（3）	（4）

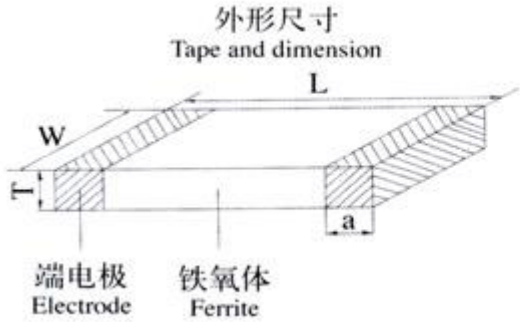
（1） 产品系列

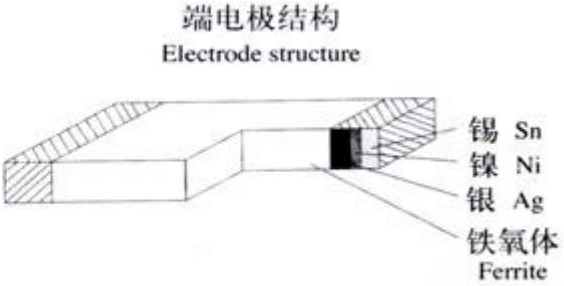
（2） 尺寸代号

（3） 阻抗代号

（4） 阻抗符号

产品结构





产品尺寸

尺寸代号 Dimensions code	L mm(inches)	W mm(inches)	T mm(inches)	a mm(inches)
1005（0402）	1.0±0.15 （0.039±0.006）	0.5±0.15 （0.020±0.006）	0.5±0.15 （0.020±0.006）	0.25±0.10 （0.010±0.004）
1608（0603）	1.6±0.15 (0.063±0.006）	0.8±0.15 （0.031±0.006）	0.8±0.15 （0.031±0.006）	0.3±0.20 （0.012±0.008）
2012（0805）	$2.0^{+0.3}_{-0.1}$ （$0.079^{+0.012}_{-0.004}$）	1.25±0.2 （0.049±0.008）	0.85±0.20 （0.033±0.008） 1.25±0.20 （0.049±0.008）	0.4±0.2 （0.016±0.008）
3216（1206）	3.2±0.2 （0.126±0.008）	1.60±0.2 （0.063±0.008）	0.85±0.20 （0.033±0.008）	0.5±0.3 （0.020±0.012）
3225（1210）	3.2±0.2 （0.126±0.008）	2.5±0.2 （0.098±0.008）	1.30±0.30 （0.051±0.012）	0.5±0.3 （0.020±0.012）
4532（1812）	4.5±0.2 （0.178±0.008）	3.2±0.2 （0.126±0.008）	1.50±0.30 (0.059±0.012)	0.5±0.3 （0.020±0.012）

规格特性

WLCB 1005 Type

Part Number	Z（Ω）	Test? Freq. （MHz）	Rdc（Ω） max.	Ir(mA) max.	Thickness(mm) [inch]
WLCB1005—0Ω	0	100	0.20	300	**0.50±0.15** **[.020±.006]**
WLCB1005—10Ω	10	100	0.20	300	
WLCB1005—30Ω	30	100	0.25	300	
WLCB1005—60Ω	60	100	0.35	300	

WLCB1005—75Ω	75	100	0.35	300	
WLCB1005—120Ω	120	100	0.40	200	
WLCB1005—180Ω	180	100	0.70	200	
WLCB1005—220Ω	220	100	0.70	200	
WLCB1005—300Ω	300	100	0.80	200	
WLCB1005—470Ω	470	100	1.00	200	
WLCB1005—600Ω	600	100	0.60	300	
WLCB1005—1000Ω	1000	100	1.00	200	
WLCB1005—1500Ω	1500	100	1.50	150	
WLCB1005—1800Ω	1800	100	1.50	50	

WLCB 1608 Type

Part Number	**Z（Ω）**	**Test Freq.（MHz）**	**Rdc（Ω） max.**	**Ir(mA) max.**	**Thickness(mm) [inch]**
WLCB1608—0Ω	0	100	0.20	300	**0.80±0.15 [.031±006]**
WLCB1608—10Ω	10	100	0.20	300	
WLCB1608—30Ω	30	100	0.20	300	
WLCB1608—60Ω	60	100	0.20	300	
WLCB1608—100Ω	100	100	0.25	300	
WLCB1608—120Ω	120	100	0.25	300	
WLCB1608—180Ω	180	100	0.30	300	
WLCB1608—220Ω	220	100	0.30	300	
WLCB1608—300Ω	300	100	0.35	300	
WLCB1608—470Ω	470	100	0.50	300	
WLCB1608—600Ω	600	100	0.60	300	
WLCB1608—1000Ω	1000	100	0.70	200	

WLCB1608—1500Ω	1500	100	0.90	200	
WLCB1608—2000Ω	2000	100	1.00	100	
WLCB1608—2500Ω	2500	100	1.00	50	
WLCB1608—3000Ω	3000	100	1.20	50	

WLCB 2012 Type

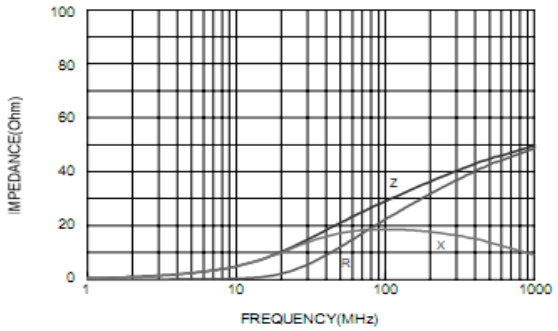
Part Number	Z（Ω）	Test Freq.（MHz）	Rdc（Ω） max.	Ir(mA) max.	Thickness(mm) [inch]
WLCB2012—0Ω	0	100	0. 10	300	**0.85±0.20 [.033±008]**
WLCB2012—10Ω	10	100	0. 10	300	
WLCB2012—30Ω	30	100	0. 10	300	
WLCB2012—60Ω	60	100	0. 10	300	
WLCB2012—100Ω	100	100	0. 10	300	
WLCB2012—120Ω	120	100	0. 20	300	
WLCB2012—180Ω	180	100	0. 20	300	
WLCB2012—220Ω	220	100	0. 20	300	
WLCB2012—300Ω	300	100	0. 30	300	
WLCB2012—470Ω	470	100	0. 30	300	
WLCB2012—600Ω	600	100	0. 35	300	
WLCB2012—1000Ω	1000	100	0. 40	200	
WLCB2012—1500Ω	1500	100	0. 45	150	
WLCB2012—2000Ω	2000	100	0. 50	150	
WLCB2012—2200Ω	2200	100	0. 40	150	

WLCB3216 Series

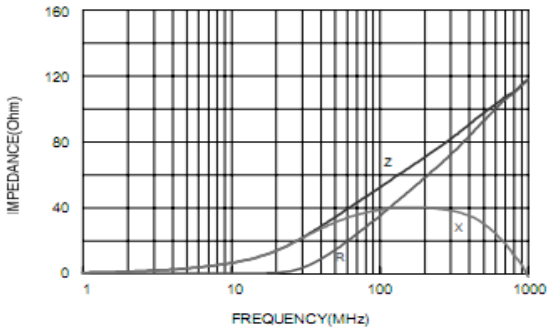
Part Number	Z（Ω）	Test Freq.	Rdc（Ω）	Ir(mA)	Thickness(mm)
		（MHz）	max.	max.	[inch]
WLCB3216—0Ω	0	100	0. 20	300	**0.85±0.20 [.033±008]**
WLCB3216—10Ω	10	100	0. 20	300	
WLCB3216—30Ω	30	100	0. 20	300	
WLCB3216—39Ω	39	100	0. 20	300	
WLCB3216—60Ω	60	100	0. 20	300	
WLCB3216—80Ω	80	100	0. 20	300	
WLCB3216—100Ω	100	100	0. 20	300	
WLCB3216—120Ω	120	100	0. 15	300	
WLCB3216—220Ω	220	100	0. 15	300	
WLCB3216—300Ω	300	100	0. 15	300	
WLCB3216—470Ω	470	100	0. 35	300	
WLCB3216—600Ω	600	100	0. 35	200	
WLCB3216—1000Ω	1000	100	0. 35	200	

电磁特性

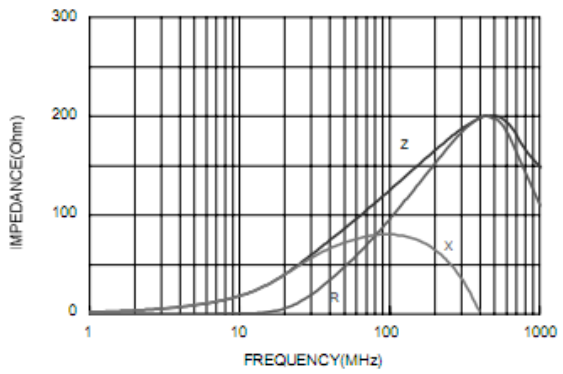
WLCB1005—30Ω



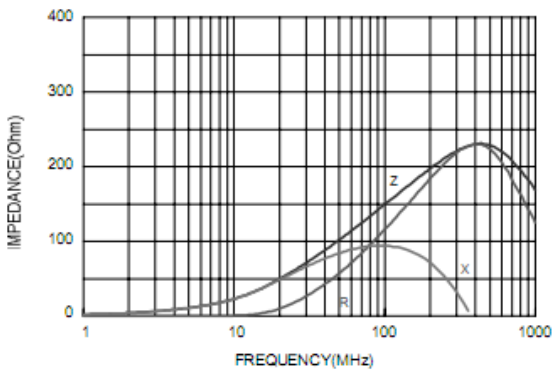
WLCB1005—60Ω



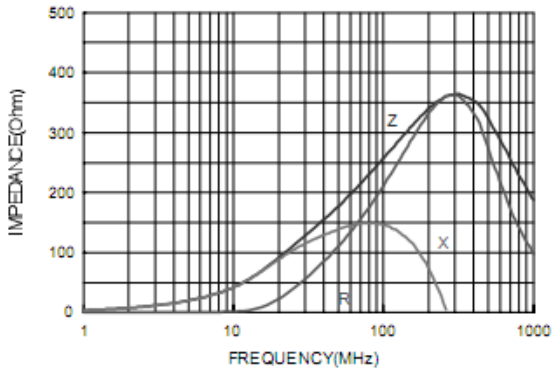
WLCB1005—120Ω



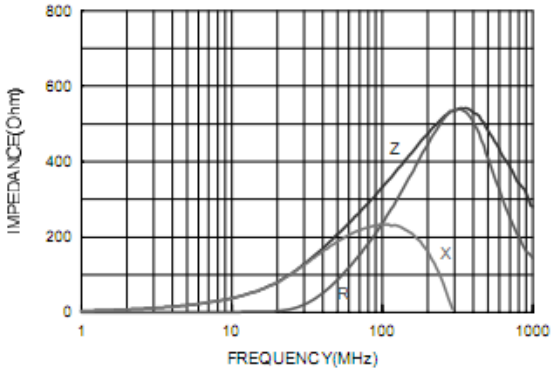
WLCB1005—150Ω



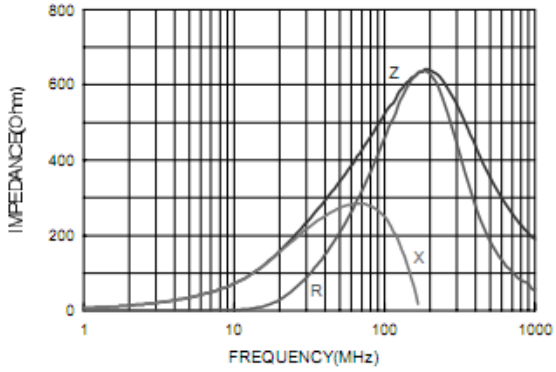
WLCB1005—220Ω



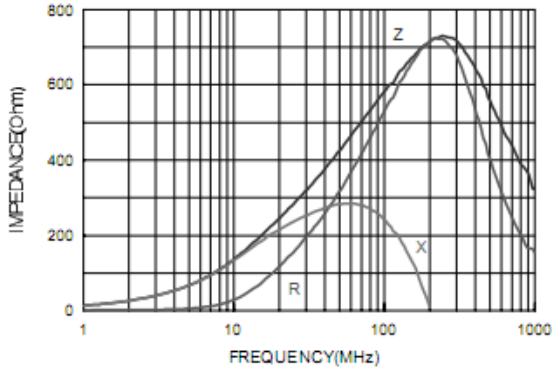
WLCB1005—300Ω



WLCB1005—470Ω

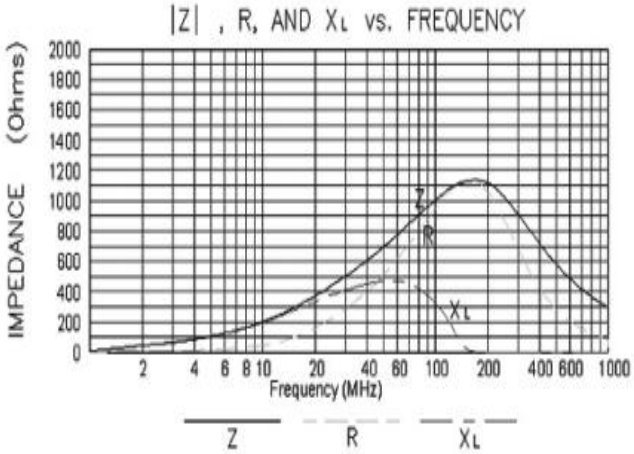


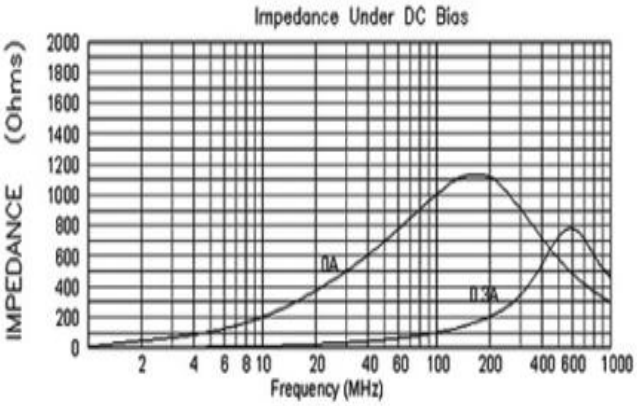
WLCB1005—600Ω



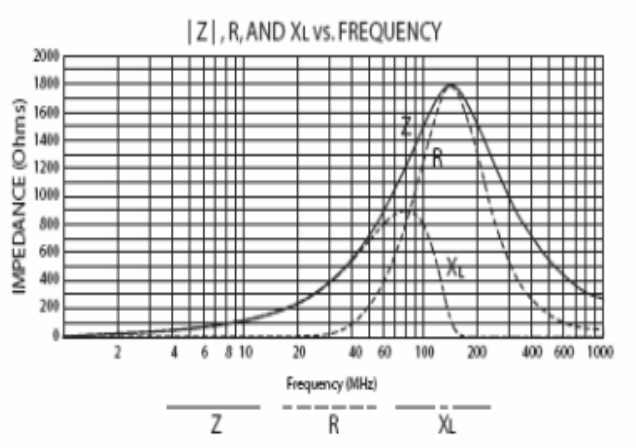
WLCB1005—1000Ω

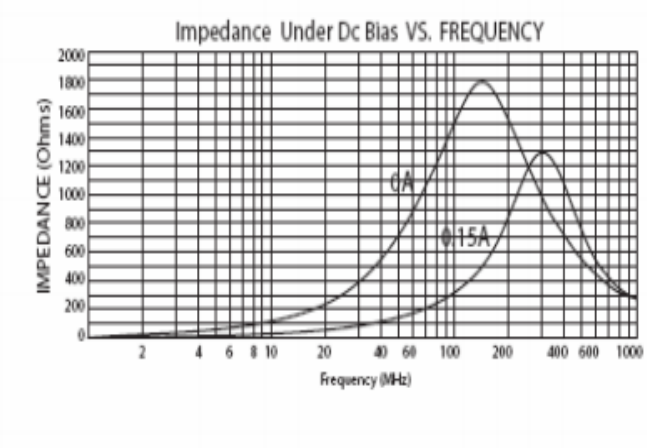
WLCB1005—1000Ω





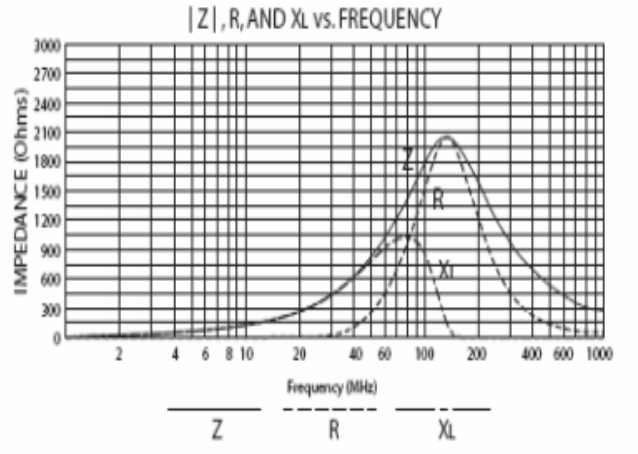
WLCB1005—1500Ω

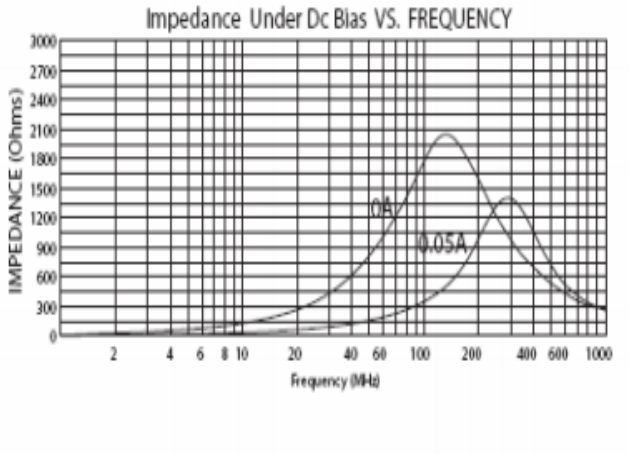




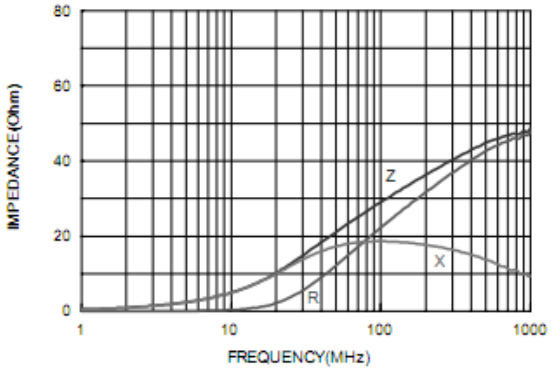
WLCB1005—1800Ω

WLCB1005—1800Ω

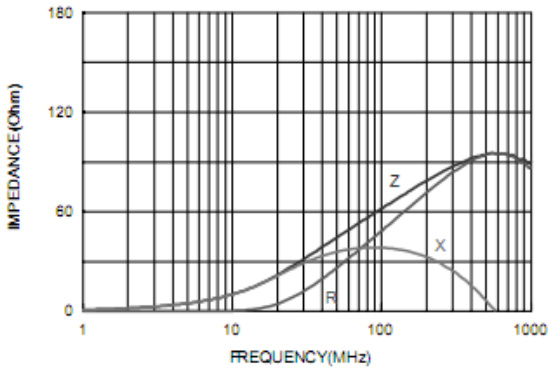




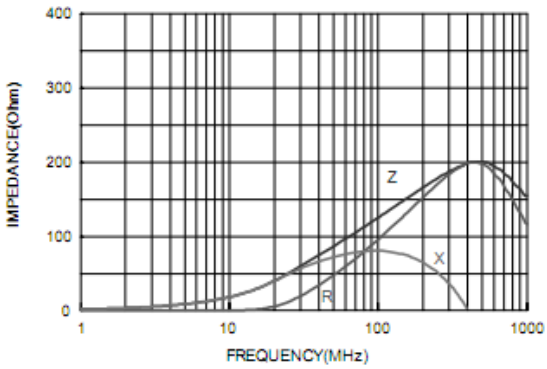
WLCB1608—30Ω



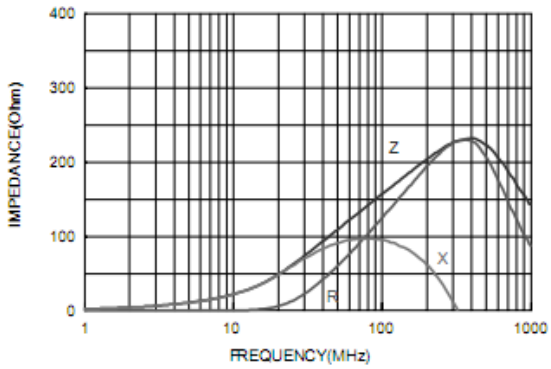
WLCB1608-60Ω



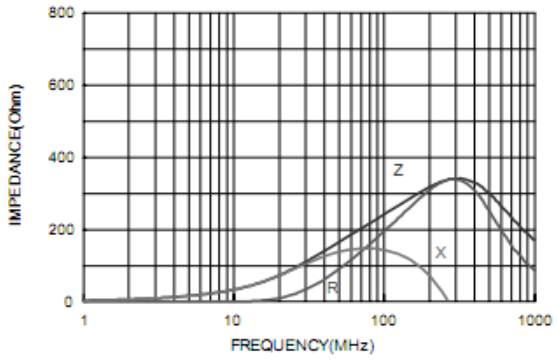
WLCB1608—120Ω



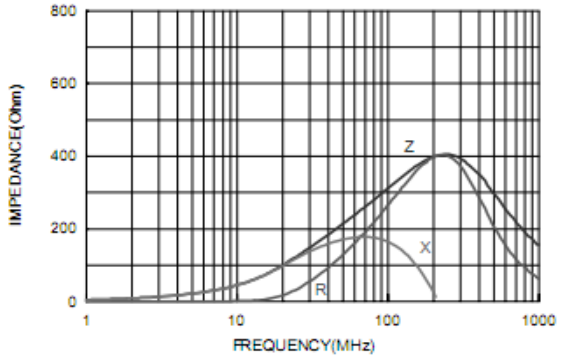
WLCB1608—150Ω



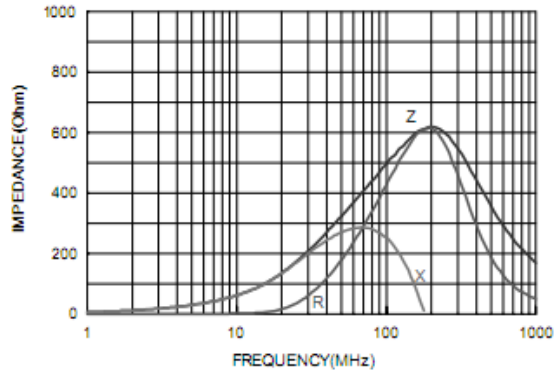
WLCB1608—220Ω



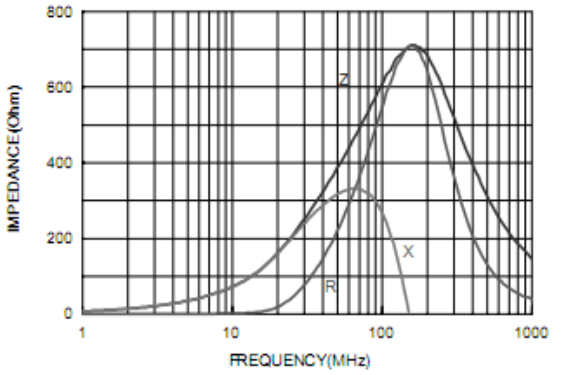
WLCB1608—300Ω



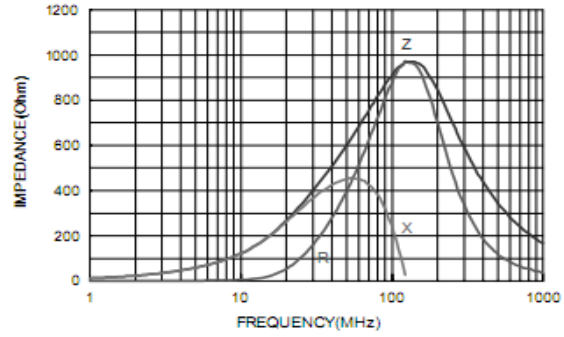
WLCB1608—470Ω



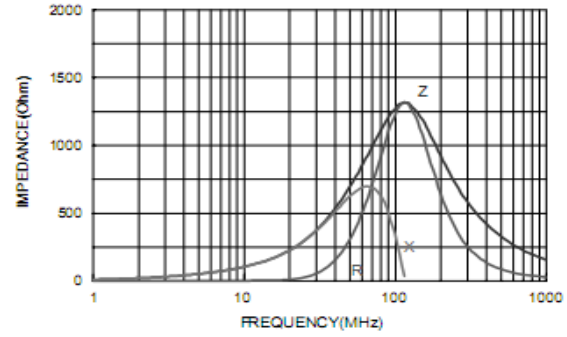
WLCB1608—600Ω



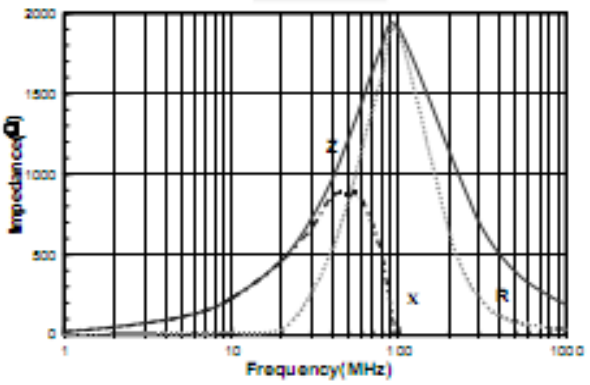
WLCB1608—1000Ω



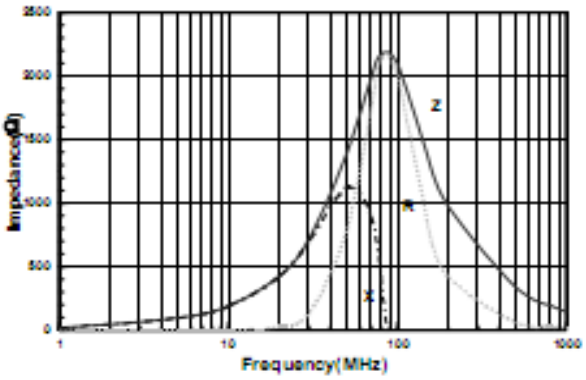
WLCB1608—1500Ω



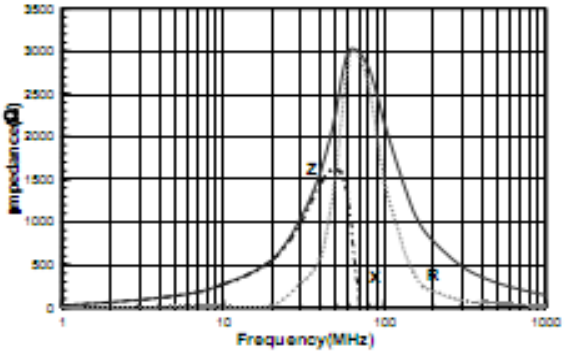
WLCB1608—1800Ω



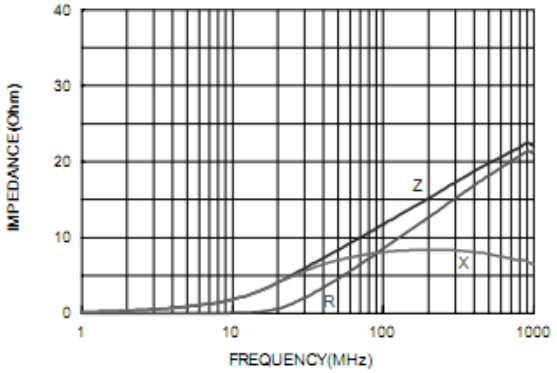
WLCB1608—2000Ω



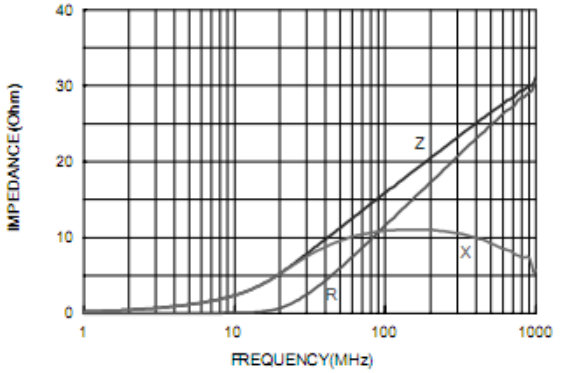
WLCB1608—2500Ω



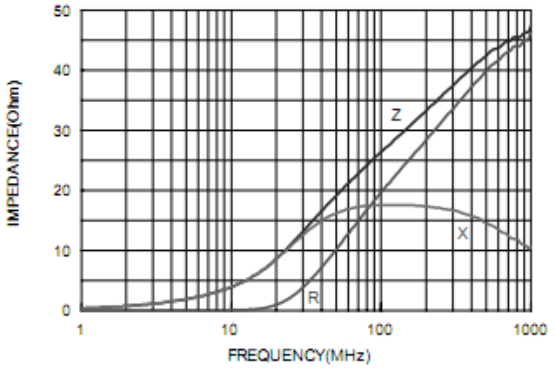
WLCB2012—0Ω



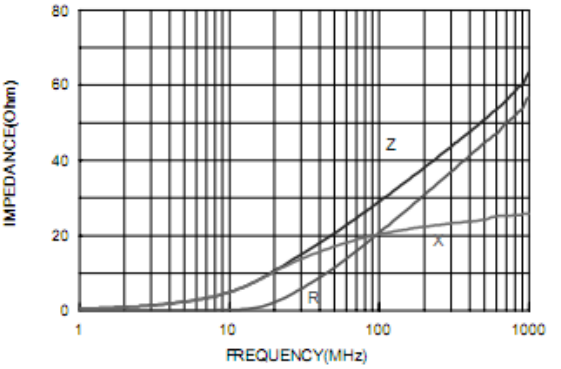
WLCB2012—10Ω



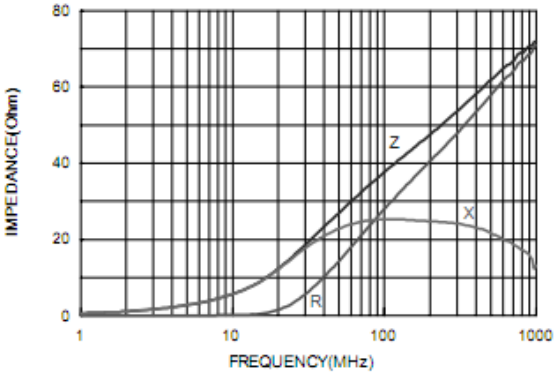
WLCB2012—260Ω



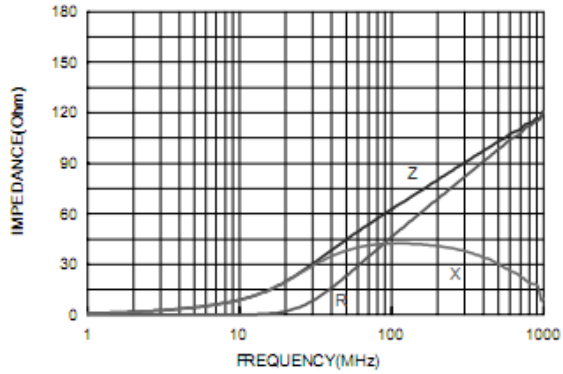
WLCB2012—30Ω



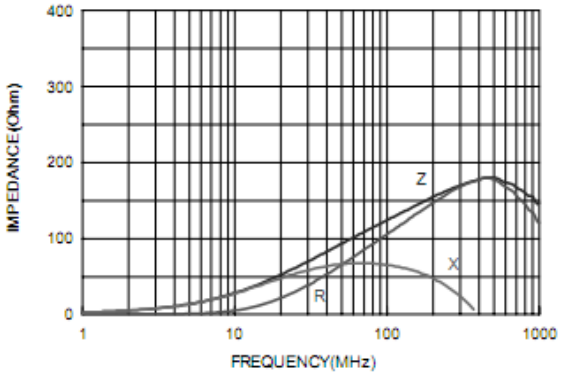
WLCB2012—40Ω



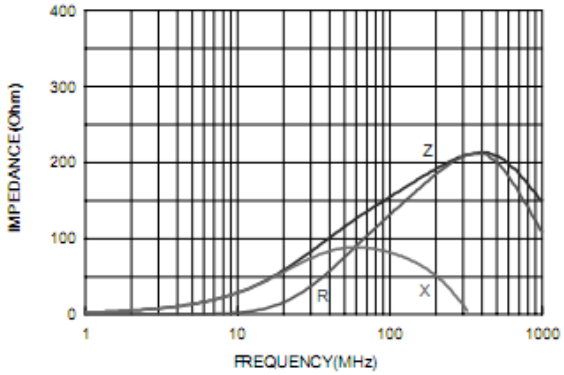
WLCB2012—60Ω



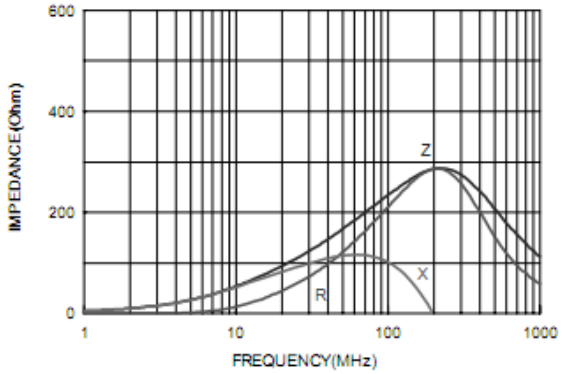
WLCB2012—120Ω



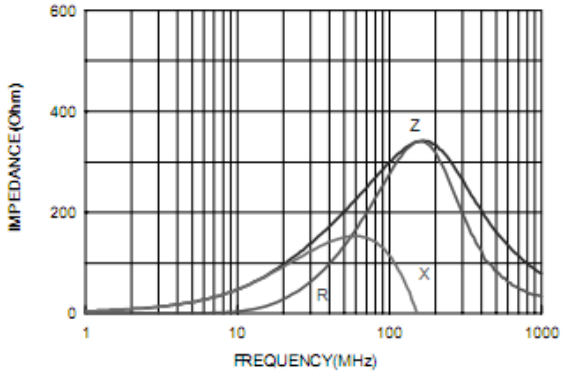
WLCB2012—150Ω



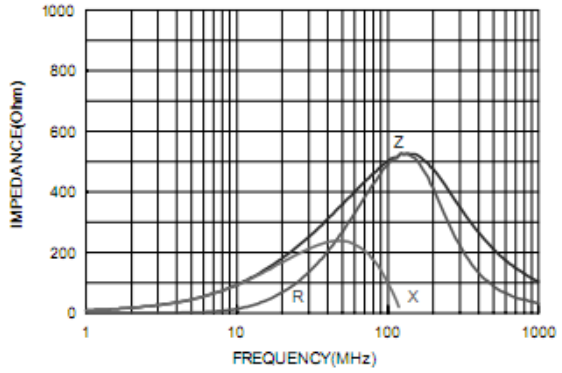
WLCB2012—220Ω



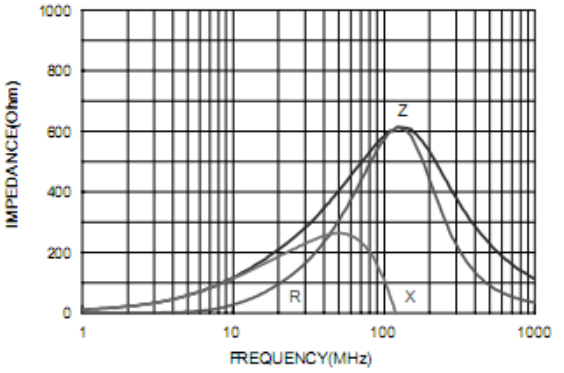
WLCB2012—300Ω



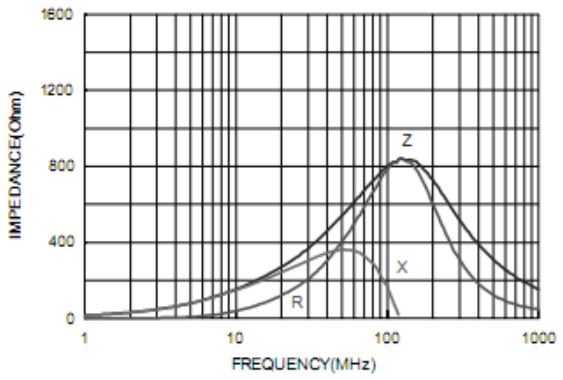
WLCB2012—470Ω



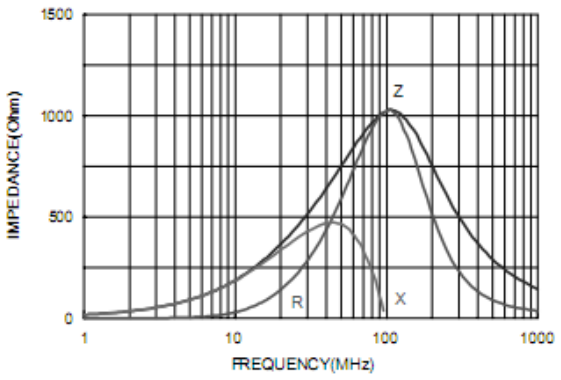
WLCB2012—600Ω



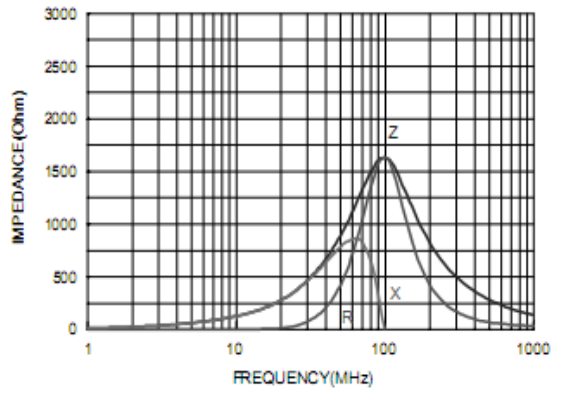
WLCB2012—800Ω



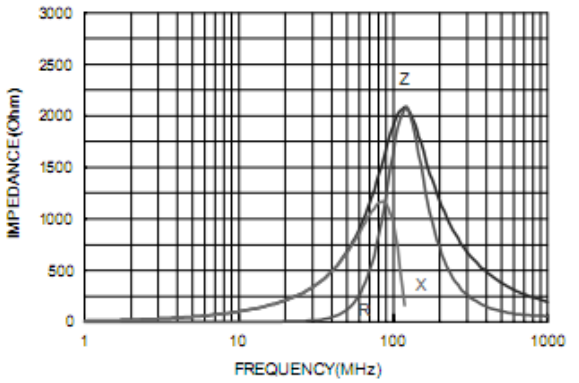
WLCB2012—1000Ω



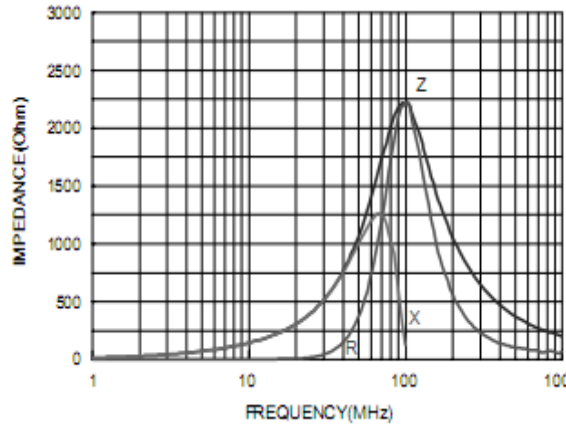
WLCB2012—1500Ω



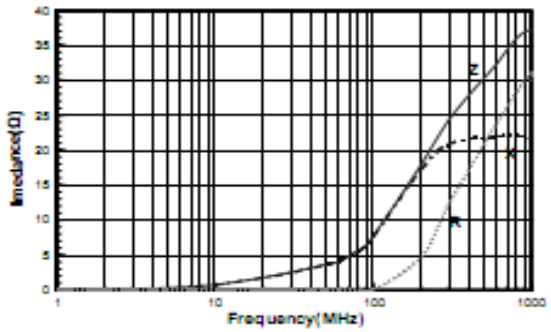
WLCB2012—2000Ω



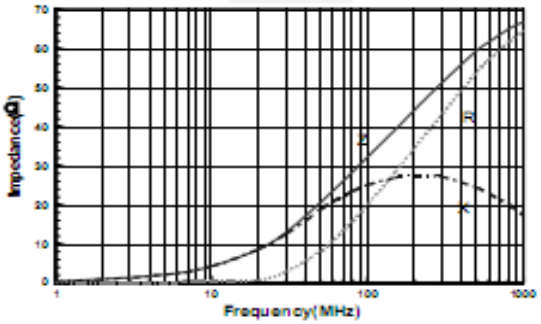
WLCB2012—2200Ω



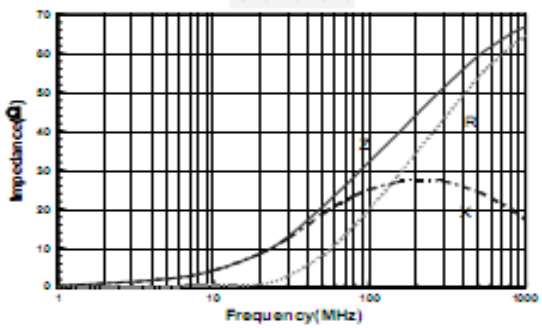
WLCB3216—0Ω



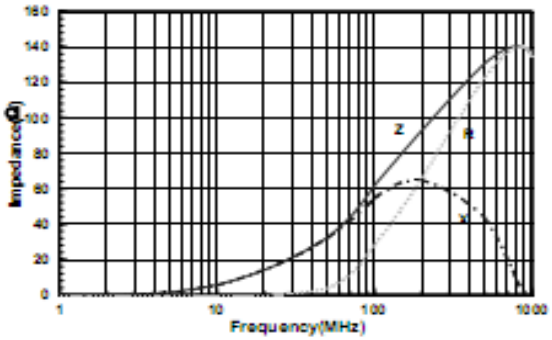
WLCB3216—30Ω



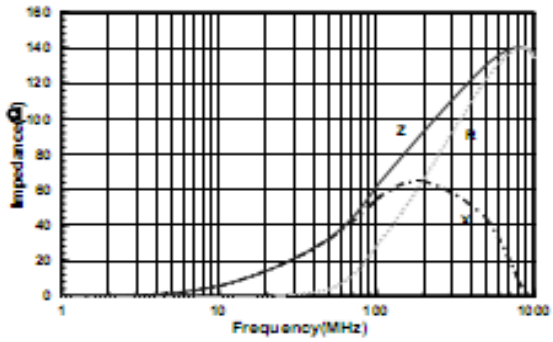
WLCB3216—39Ω



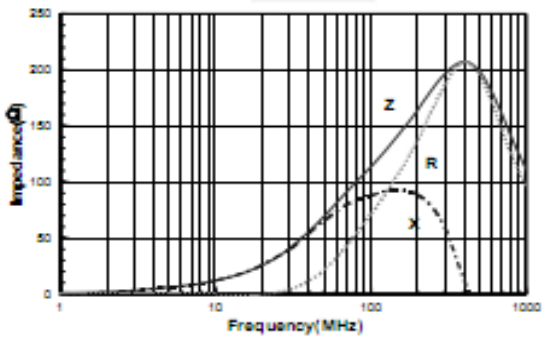
WLCB3216—60Ω



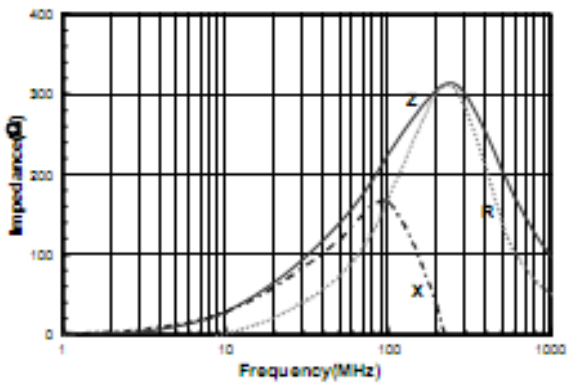
WLCB3216—80Ω



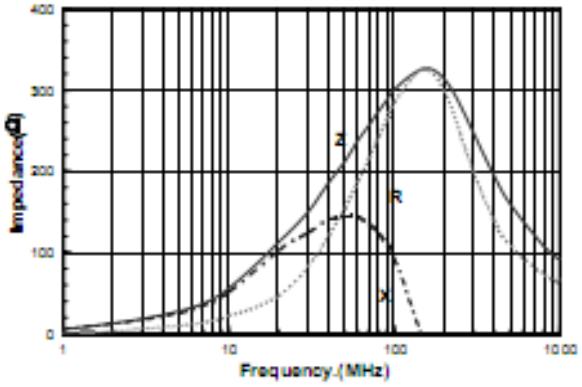
WLCB3216—120Ω



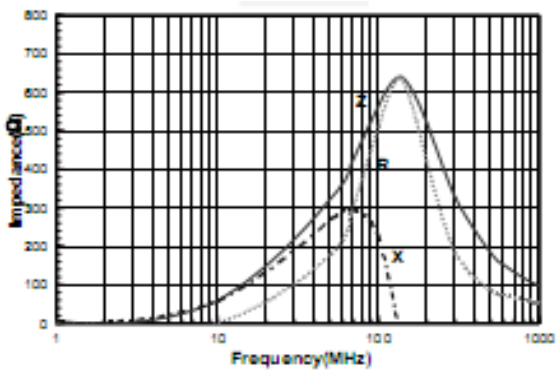
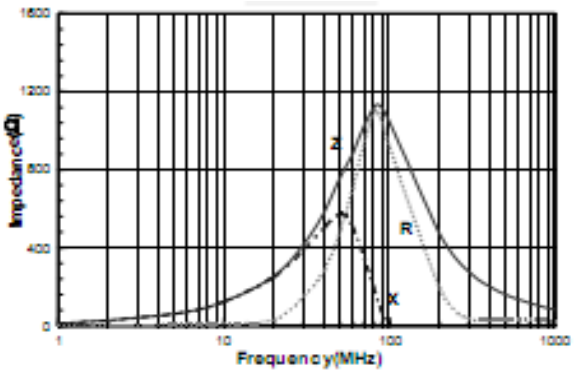
WLCB3216—220Ω



WLCB3216—300Ω



WLCB3216—600Ω



WLCB3216—1000Ω