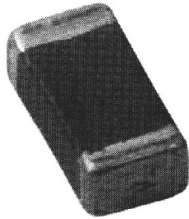


# Multilayer Ferrite Beads



## MECHANICAL SPECIFICATIONS\*

**Solderability:** 90% coverage after 5 second dip in 235°C solder following 60 second preheat at 120°C to 150°C and type R flux dip.

**Resistance To Solder Heat:** 10 seconds in 260°C solder after preheat and flux per above.

**Terminal Strength:** 1.0 kilograms (2.2 pounds) minimum for 30 seconds.

**Beam Strength:** 2.0 kilograms (4.4 pounds) minimum.

## FEATURES

- High reliability.
- Surface mountable.
- Magnetically self shielded.
- Nickel barrier plating virtually eliminates silver migration.

## ENVIRONMENTAL SPECIFICATIONS\*

**Operating Temperature:** - 55°C to + 125°C.

**Thermal Shock:** 300 cycles, - 40°C to + 125°C.

**Biased Humidity:** 85% RH at 85°C, 1000 hours at full rated current.

## STANDARD ELECTRICAL SPECIFICATIONS

IMPEDANCE (Ohms)	TOL.	FREQUENCY (MHz)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
19	± 25%	100	0.05	500
26	± 25%	100	0.05	500
31	± 25%	100	0.05	500
50	± 25%	100	0.10	600
60	± 25%	100	0.10	600
70	± 25%	100	0.10	600
80	± 25%	100	0.20	400
90	± 25%	100	0.20	400
100	± 25%	100	0.20	400
120	± 25%	100	0.20	400
150	± 25%	100	0.20	300
200	± 25%	100	0.20	300
300	± 25%	100	0.30	300
500	± 25%	100	0.30	200
600	± 25%	100	0.30	200
800	± 25%	100	0.30	200
1000	± 25%	100	0.40	200
1200	± 25%	100	0.40	100
1500	± 25%	50	0.50	100
2000	± 25%	30	0.50	100

## PACKAGING OPTIONS

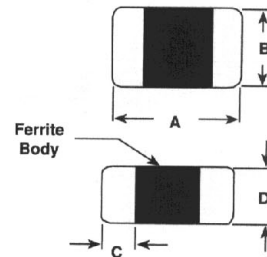
- Bulk: 1,000 pieces per plastic bag.
- Tape and Reel: Paper carrier tape, 3000 pieces per reel.

## DESCRIPTION

ILB-1206	19Ω	± 25%
MODEL	IMPEDANCE VALUE	IMPEDANCE TOLERANCE

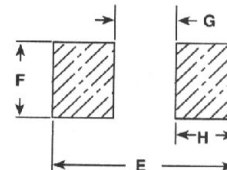
## DIMENSIONS in inches [millimeters]

### Dimensional Outline



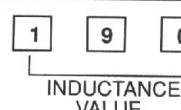
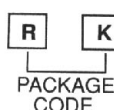
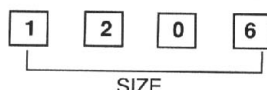
A	B	C	D
0.126 ± 0.008 [3.20 ± 0.2]	0.063 ± 0.008 [1.6 ± 0.2]	0.02 ± 0.012 [0.5 ± 0.3]	0.043 ± 0.008 [1.1 ± 0.2]

### Suggested Pad Layout

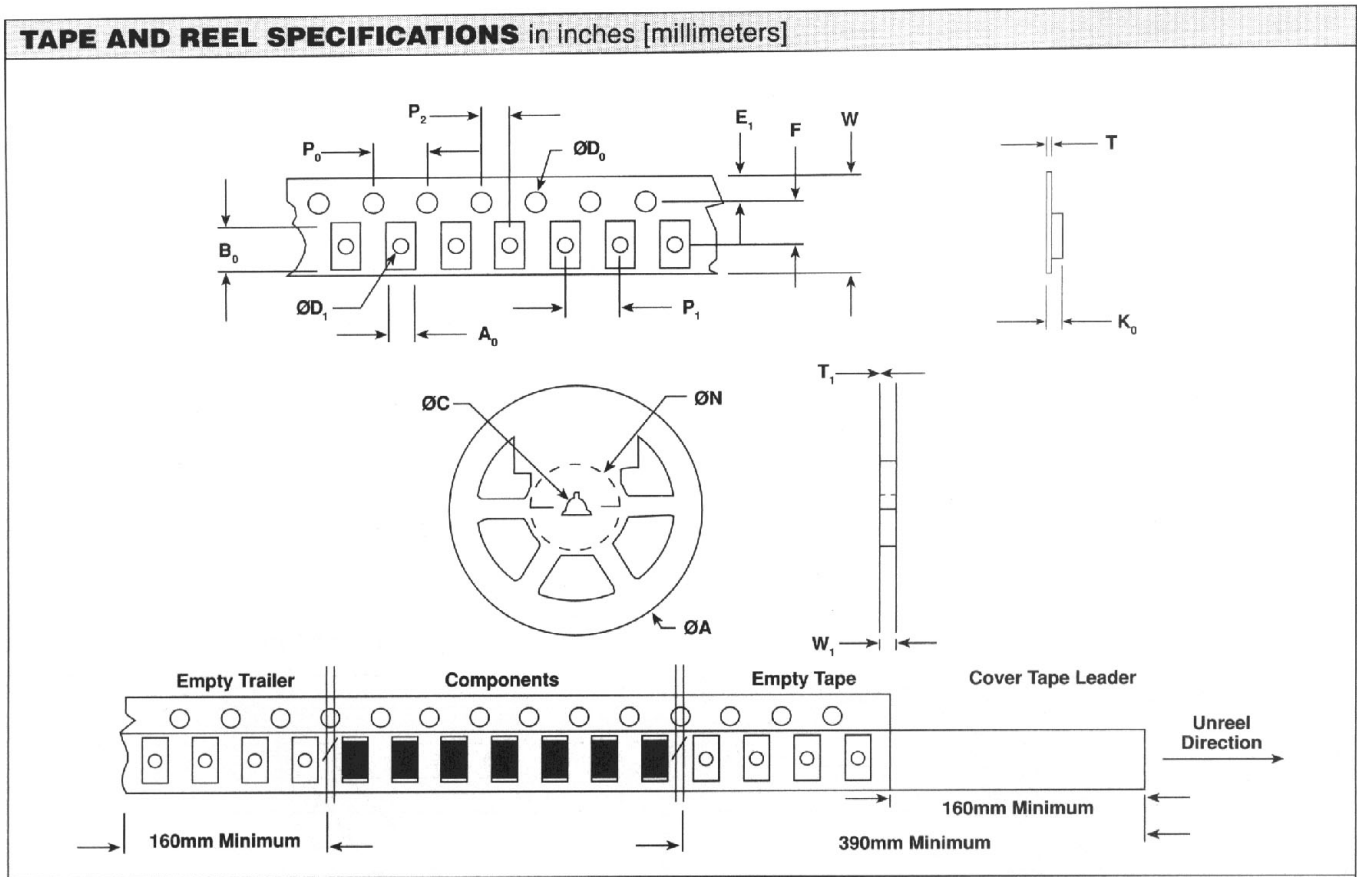


E	F	G	H
0.173 [4.4]	0.055 [1.4]	0.087 [2.2]	0.043 [1.1]

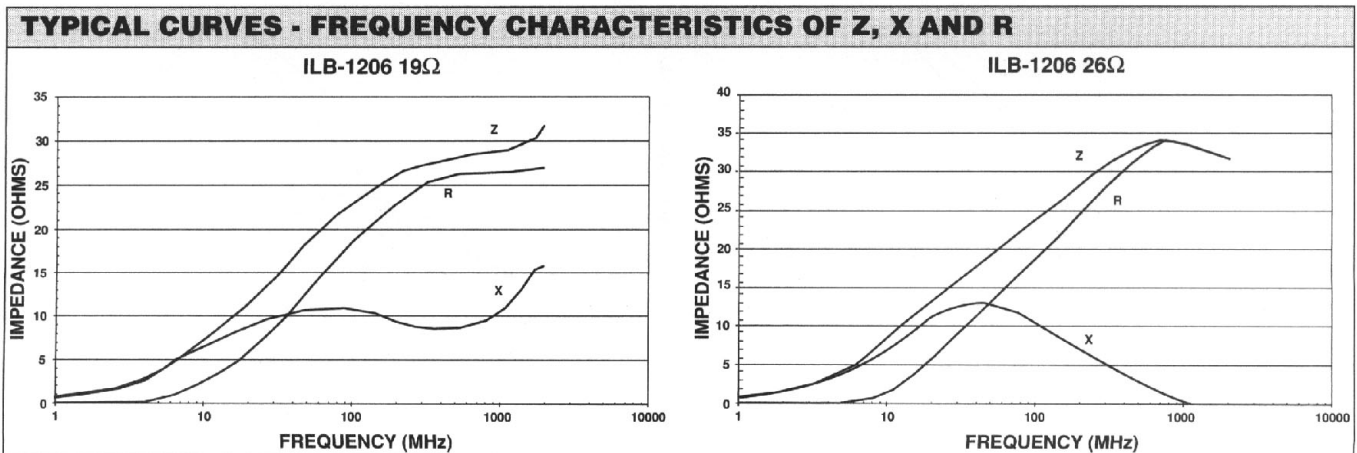
## SAP PART NUMBERING GUIDELINES (INTERNAL)



See the end of this data book for conversion tables

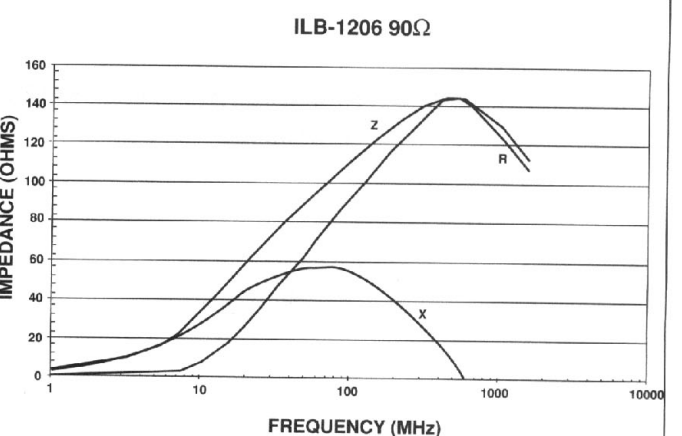
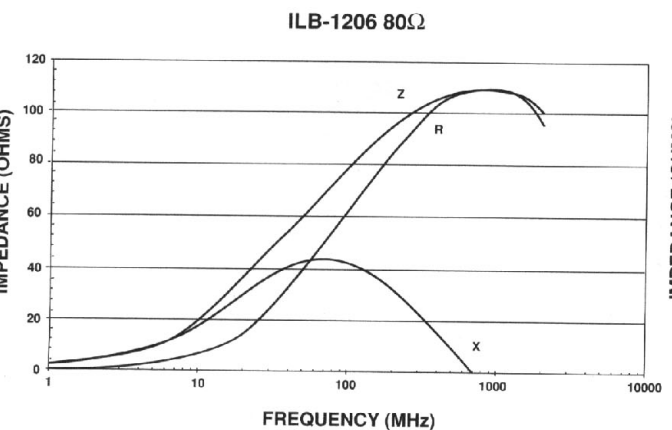
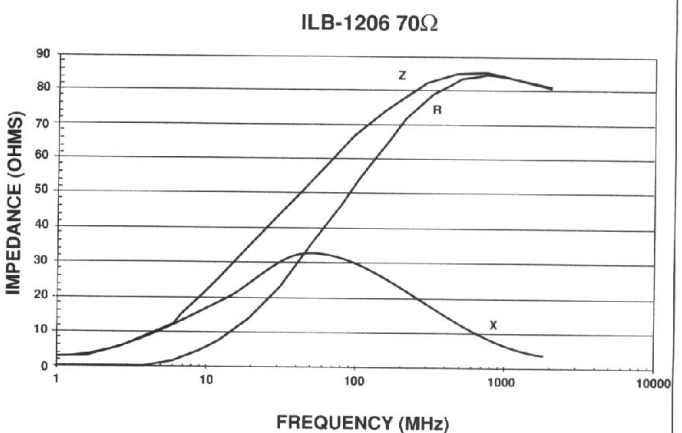
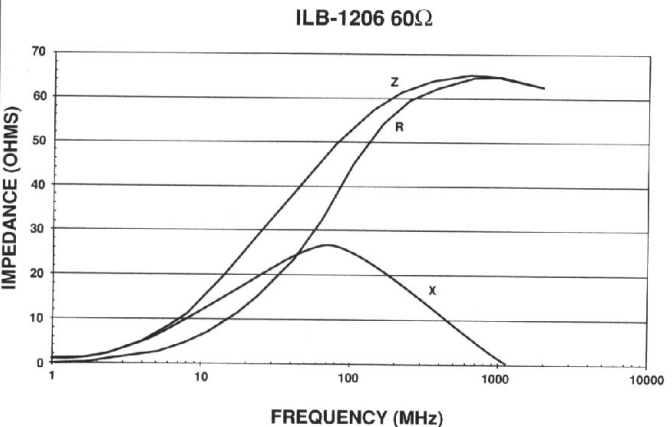
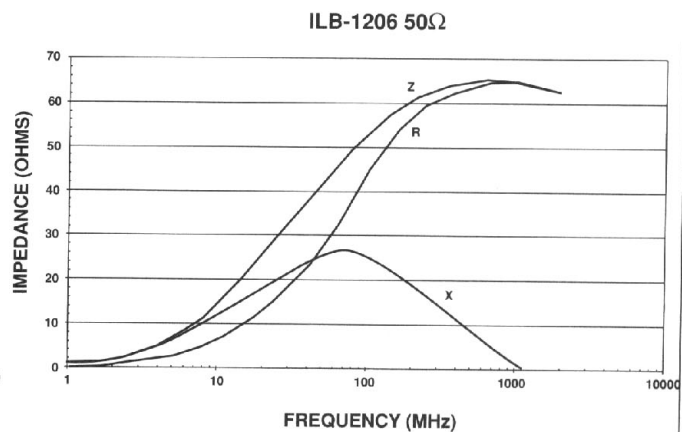
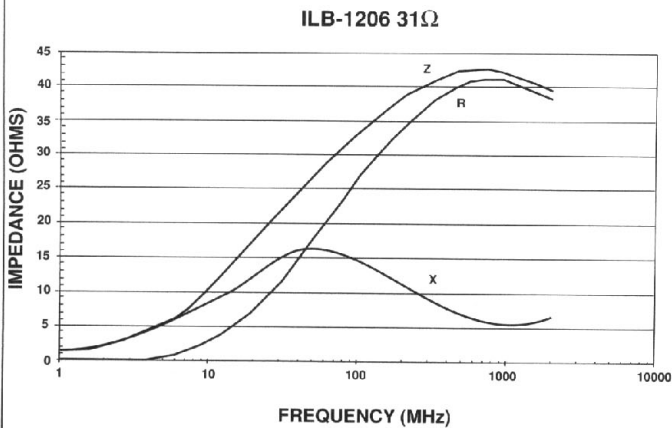


$A_0$	$0.071 \pm 0.008$ [1.8 ± 0.2]	$P_2$	$0.079 \pm .002$ [2.00 ± 0.05]
$B_0$	$0.14 \pm .006$ [3.45 ± 0.15]	$W$	0.327 Max. [8.3 Max.]
$D_0$	$0.059 + .005/- 0.000$ [1.5 + 0.127]	$T$	$0.009 \pm .002$ [0.2 ± 0.05]
$D_1$	0.039 Min. [1.0 Min.]	$A$	$7.000 \pm .079$ [178 ± 2.0]
$E_1$	$0.069 \pm .004$ [1.75 ± 0.1]	$N$	2.500 [63.5]
$F$	$0.138 \pm .002$ [3.50 ± 0.05]	$C$	$0.512 \pm .020$ [13.00 + 0.50]
$K_0$	$0.049 \pm .002$ [1.24 ± 0.05]	$W_1$	$0.315 + 0.059/- 0.00$ [8.00 + 1.50]
$P_0$	$0.157 \pm .004$ [4.00 ± 0.1]	$T_1$	$0.079 \pm .002$ [2.00 ± 0.05]
$P_1$	$0.157 \pm .004$ [4.00 ± 0.1]		



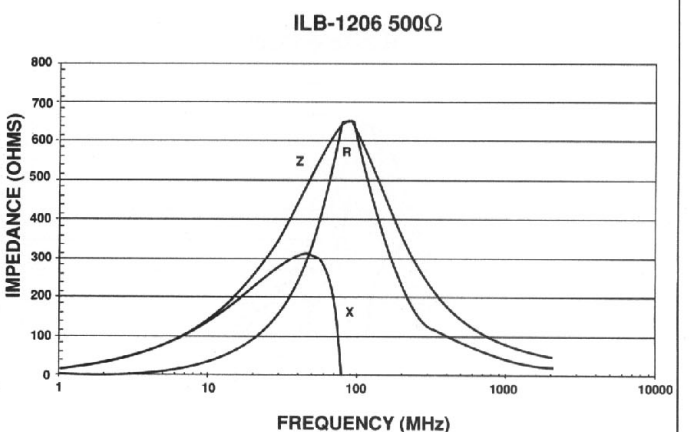
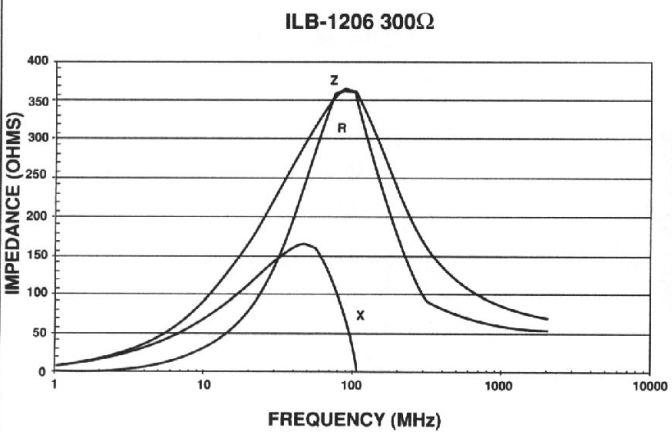
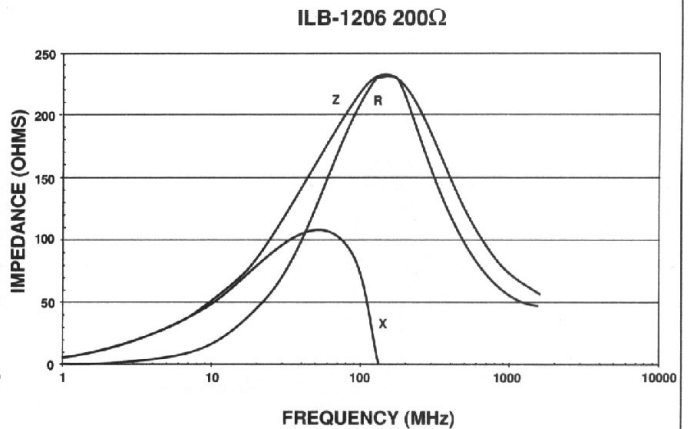
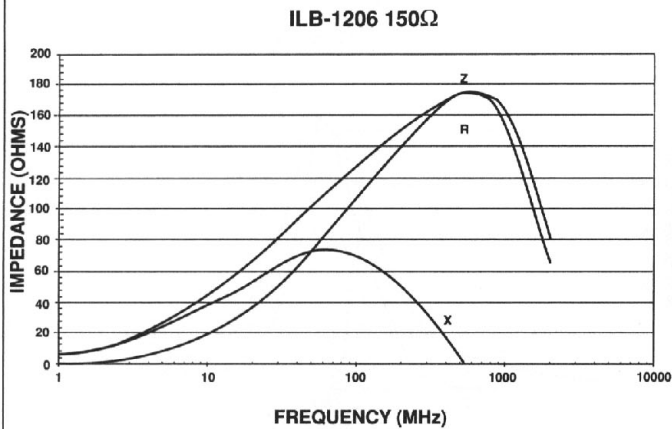
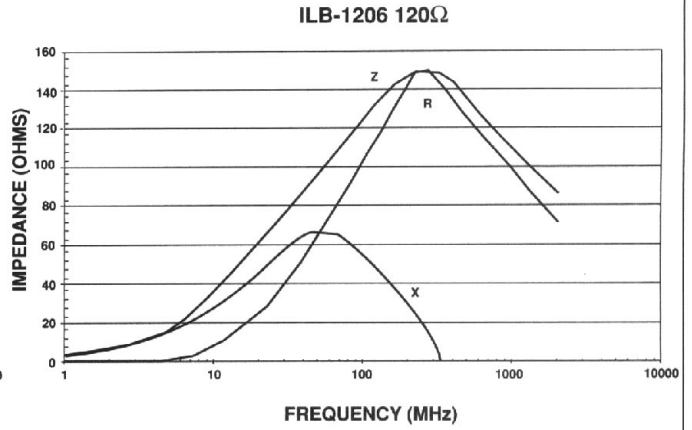
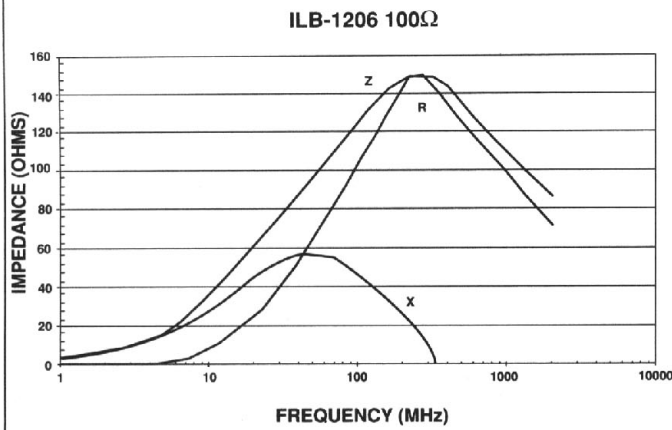


**TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF Z, X AND R**





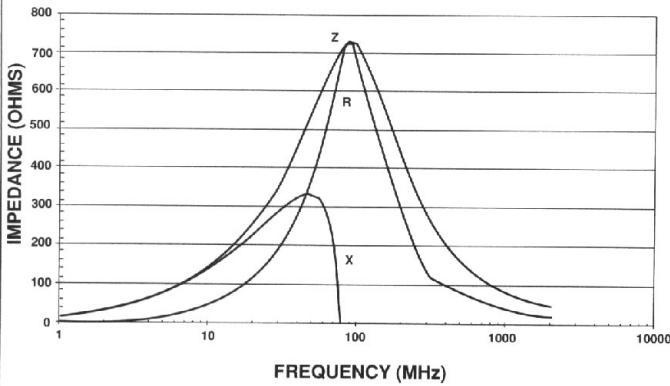
**TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF Z, X AND R**



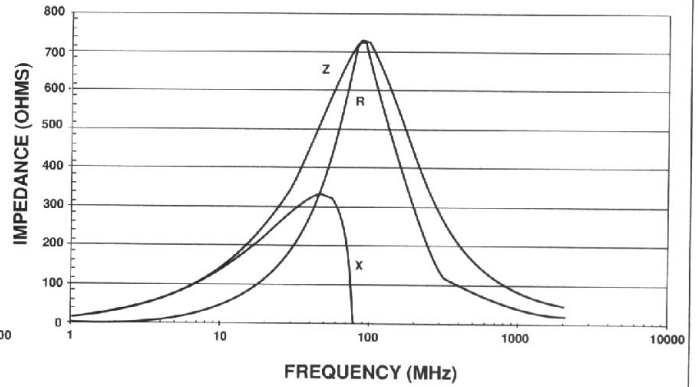


**TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF Z, X AND R**

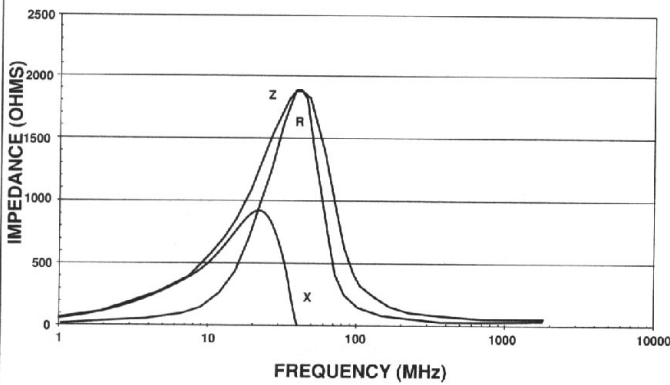
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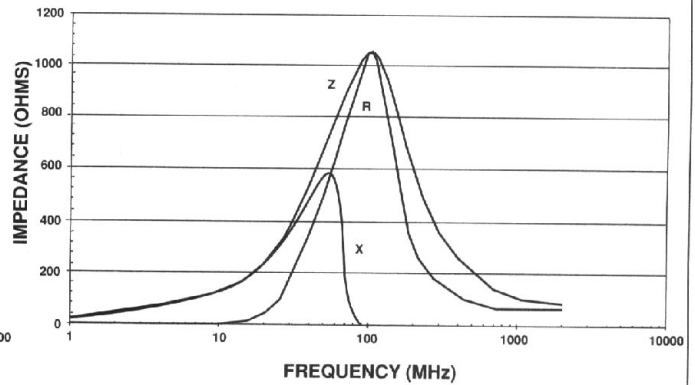
ILB-1206 800Ω



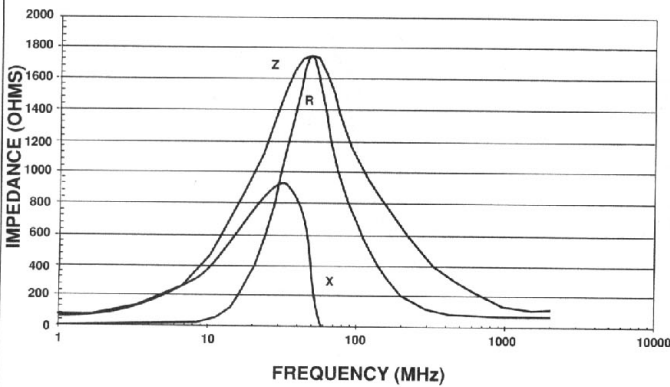
ILB-1206 1000Ω



ILB-1206 1200Ω



ILB-1206 1500Ω



ILB-1206 2000Ω

