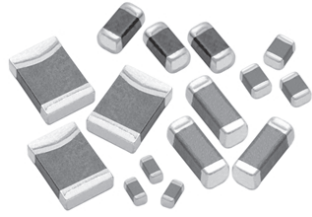




Surface Mount, High Current Multilayer Ferrite Beads



FEATURES

- High reliability.
- Surface mountable.
- Current rating up to 6 amps.
- Magnetically self shielded.
- Nickel barrier plating virtually eliminates silver migration.

MECHANICAL SPECIFICATIONS

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

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

Terminal Strength: (0603) 0.3kg, (0805) 0.6kg, (1206) 1.0kg, (1806) 1.0kg, (1812) 1.5kg for 30 seconds.

Beam Strength: (0603) 0.3kg, (0805) 1.0kg, (1206) 2.0kg, (1806) 2.5kg, (1812) 2.5kg.

ENVIRONMENTAL SPECIFICATIONS

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

Thermal Shock: 100 cycles, - 40°C to + 125°C.

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

STANDARD ELECTRICAL SPECIFICATIONS				
PART NUMBER	IMPEDANCE (±25%)	IMPEDANCE TEST FREQUENCY (MHz)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
ILHB-0603	60	100	0.10	2000
ILHB-0603	120	100	0.10	2000
ILHB-0805	30	100	0.015	6000
ILHB-0805	60	100	0.03	3000
ILHB-0805	90	100	0.025	5000
ILHB-0805	120	100	0.03	5000
ILHB-0805	250	100	0.04	3000
ILHB-0805	600	100	0.10	2000
ILHB-1206	50	100	0.02	6000
ILHB-1206	75	100	0.03	3000
ILHB-1206	120	100	0.02	6000
ILHB-1206	500	100	0.06	2500
ILHB-1206	600	100	0.10	2500
ILHB-1806	60	100	0.02	6000
ILHB-1812	120	100	0.02	6000
ILHB-1812	600	50	0.04	3000
ILHB-1812	1300	60	0.05	3000

DIMENSIONS in inches [millimeters]				
Dimensional Outline				
SIZE	A	B	C	D
0603	0.06 ± 0.006 [1.6 ± 0.15]	0.03 ± 0.006 [0.8 ± 0.15]	0.03 ± 0.006 [0.8 ± 0.15]	0.012 ± 0.008 [0.30 ± 0.20]
0805	0.079 ± 0.008 [2.0 ± 0.2]	0.049 ± 0.008 [1.25 ± 0.2]	0.035 ± 0.008 [0.9 ± 0.2]	0.02 ± 0.012 [0.50 ± 0.30]
1206	0.126 ± 0.008 [3.2 ± 0.2]	0.063 ± 0.008 [1.6 ± 0.2]	0.043 ± 0.008 [1.1 ± 0.2]	0.02 ± 0.012 [0.50 ± 0.30]
1806	0.177 ± 0.010 [4.5 ± 0.25]	0.063 ± 0.008 [1.6 ± 0.2]	0.063 ± 0.008 [1.6 ± 0.2]	0.024 ± 0.016 [0.60 ± 0.40]
1812	0.177 ± 0.010 [4.5 ± 0.25]	0.126 ± 0.010 [3.2 ± 0.25]	0.06 ± 0.01 [1.5 ± 0.25]	0.024 ± 0.016 [0.60 ± 0.40]

DESCRIPTION			
ILHB	1206	120	± 25%
MODEL	SIZE	IMPEDANCE VALUE	IMPEDANCE TOLERANCE

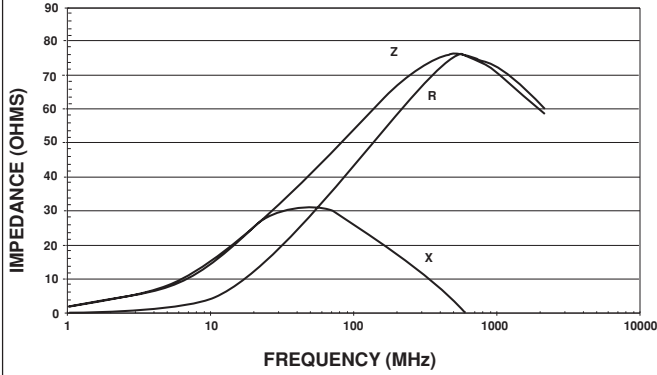
SAP PART NUMBERING GUIDELINES (INTERNAL)				
I	L	H	B	
PRODUCT FAMILY				
1	2	0	6	
SIZE				
R	K			
PACKAGE CODE				
1	2	1		
IMPEDANCE VALUE				
			V	
			TOL.	

See the end of this data book for conversion tables

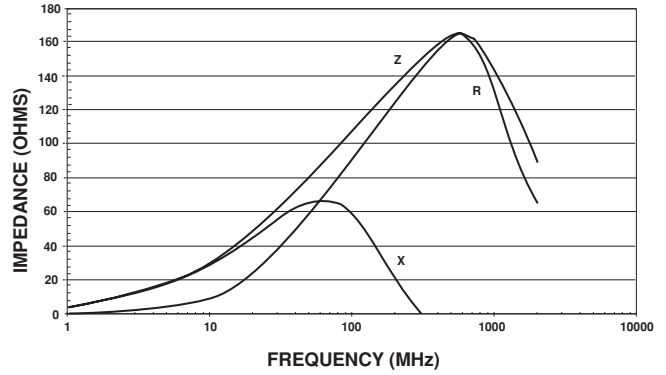


TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z

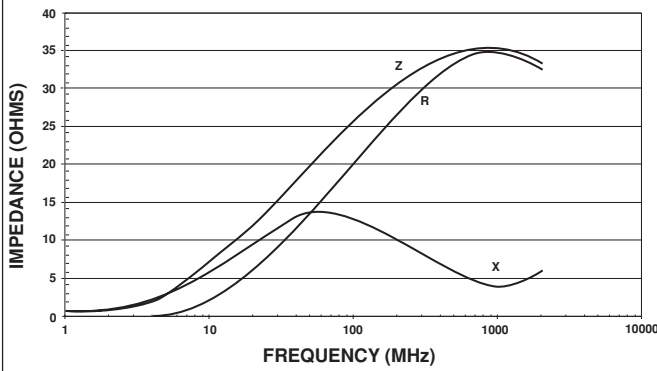
ILHB-0603 60Ω



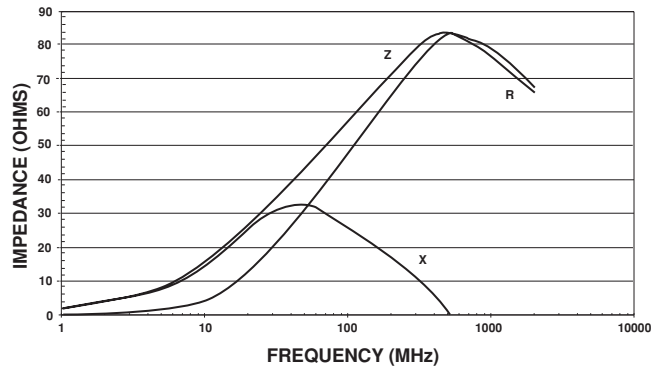
ILHB-0603 120Ω



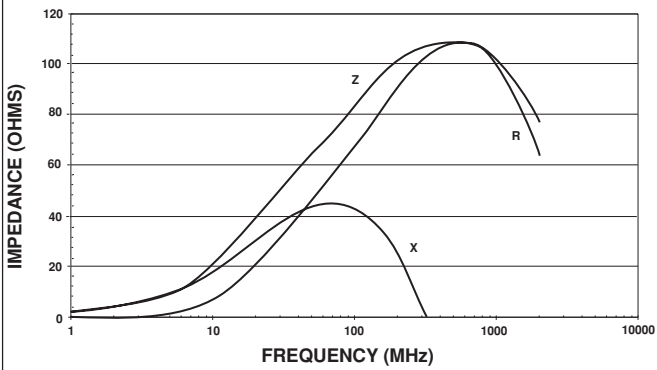
ILHB-0805 30Ω



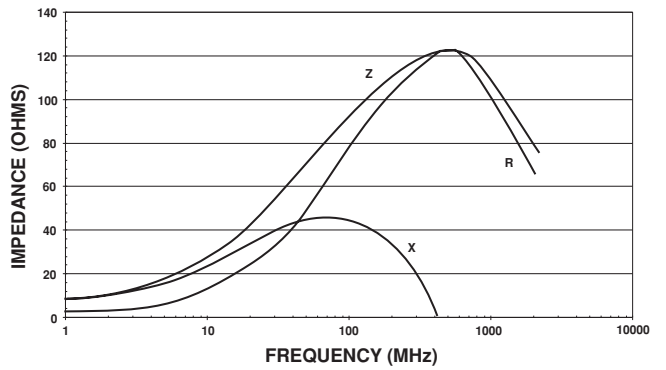
ILHB-0805 60Ω



ILHB-0805 90Ω

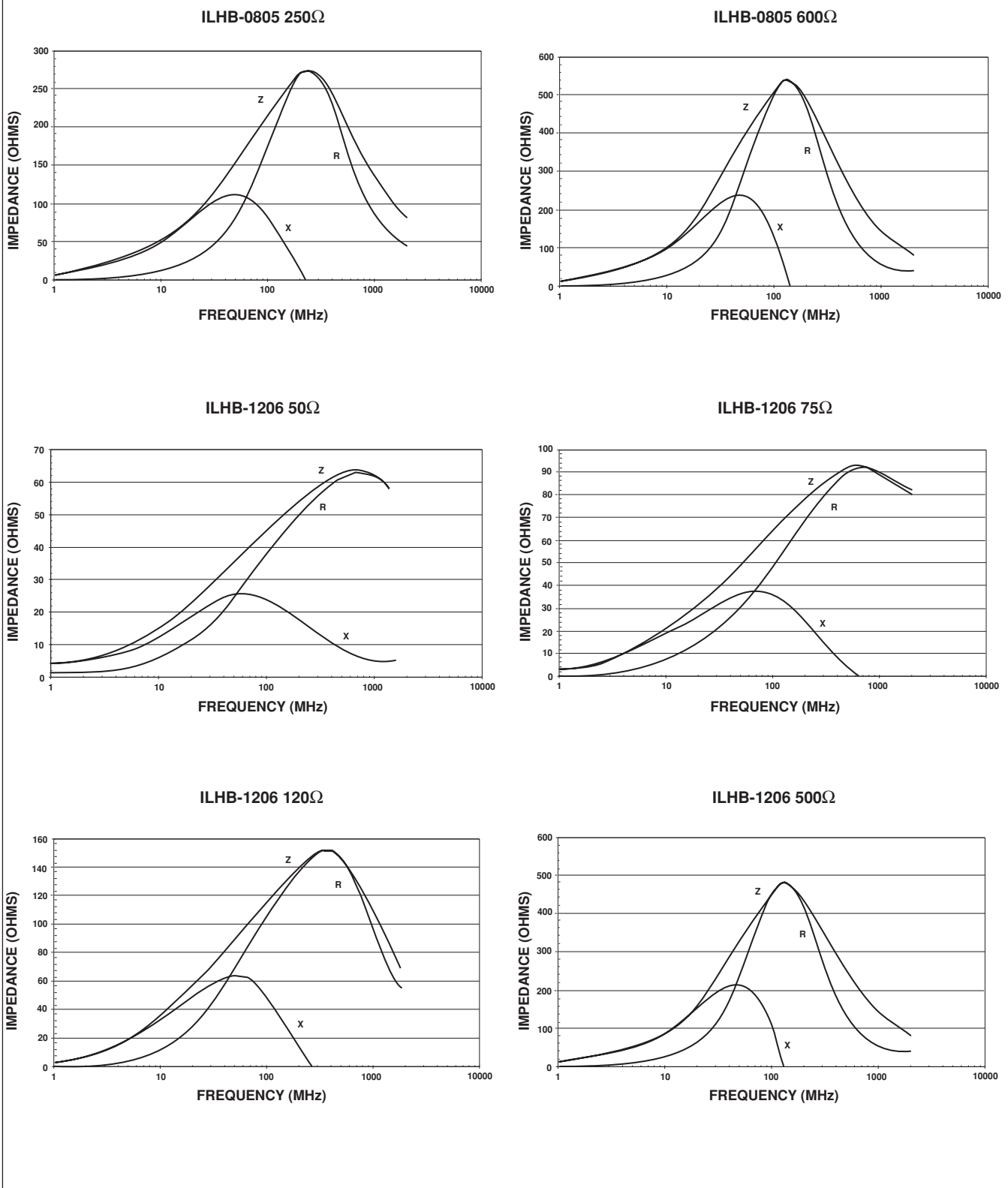


ILHB-0805 120Ω





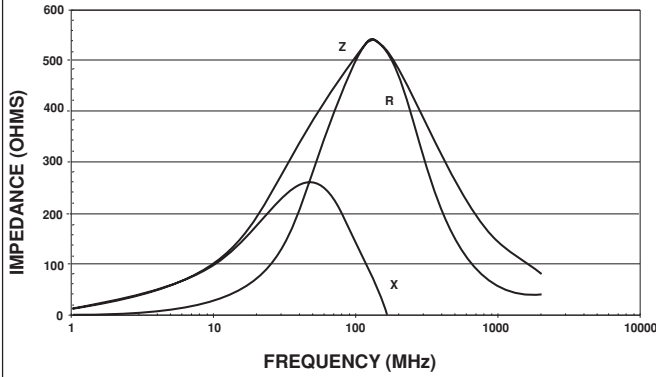
TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z



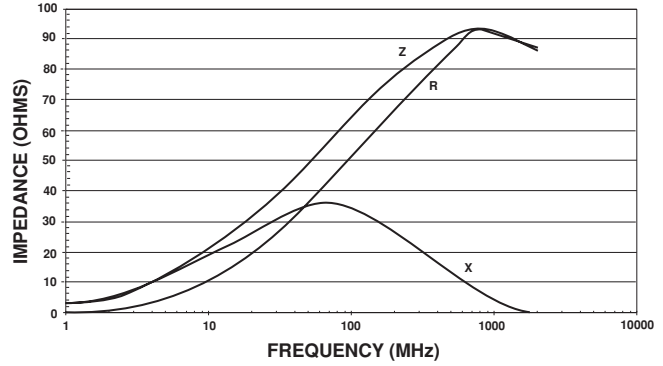


TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z

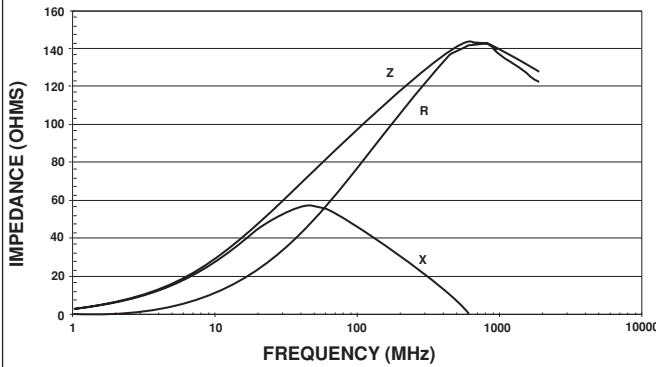
ILHB-1206 600Ω



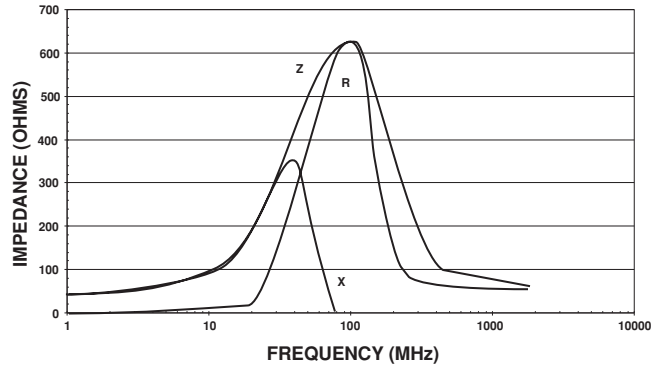
ILHB-1806 60Ω



ILHB-1812 120Ω



ILHB-1812 600Ω



ILHB-1812 1300Ω

