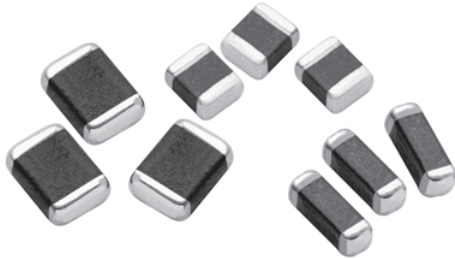




## Surface Mount, Multilayer Ferrite Beads



### FEATURES

- High reliability.
- Surface mountable.
- 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 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:** (1210) 1.0kg, (1806) 1.0kg, (1812) 1.5kg for 30 seconds.

**Beam Strength:** (1210) 2.5kg, (1806) 2.5kg, (1812) 2.5kg.

### 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			
PART NUMBER	Z @ 100MHz (± 25%)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
ILBB-1210	31	0.30	400
ILBB-1210	60	0.30	400
ILBB-1210	90	0.30	400
ILBB-1806	80	0.30	400
ILBB-1806	100	0.30	300
ILBB-1806	150	0.50	200
ILBB-1812	70	0.40	200
ILBB-1812	120	0.40	200

DIMENSIONS in inches [millimeters]				
Dimensional Outline				
SIZE	A	B	C	D
1210	0.126 ± 0.008 [3.2 ± 0.2]	0.098 ± 0.008 [2.5 ± 0.2]	0.051 ± 0.008 [1.3 ± 0.02]	0.020 ± 0.012 [0.5 ± 0.3]
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 [0.6 ± 0.4]
1812	0.177 ± 0.010 [4.5 ± 0.25]	0.126 ± 0.010 [3.2 ± 0.25]	0.059 ± 0.010 [1.5 ± 0.25]	0.024 ± 0.016 [0.6 ± 0.4]

DESCRIPTION			
ILBB	1806	80	± 25%
MODEL	SIZE	IMPEDANCE VALUE	IMPEDANCE TOLERANCE

SAP PART NUMBERING GUIDELINES (INTERNAL)				
I	L	B	B	
PRODUCT FAMILY				
1	8	0	6	
SIZE				
R	K			
PACKAGE CODE				
8	0	0		
IMPEDANCE VALUE				
			V	
			TOL.	

See the end of this data book for conversion tables



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

