



# 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:** 0.2kg for 30 seconds.

**Beam Strength:** 0.2kg.

**Flex:** 0.2mm minimum mounted on a 1.6mm thick PC board.

## 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		
Z @ 100 MHz (± 25%)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
20	0.13	300
30	0.20	300
40	0.20	300
60	0.30	300
70	0.30	300
120	0.45	300
240	0.70	200
300	0.80	200
600	1.00	200

DIMENSIONS in inches [millimeters]			
Dimensional Outline			
A	B	C	D
0.04 ± 0.004 [1.0 ± 0.1]	0.02 ± 0.004 [0.5 ± 0.1]	0.02 ± 0.004 [0.5 ± 0.1]	0.01 ± 0.004 [0.25 ± 0.1]

DESCRIPTION		
ILBB-0402 MODEL	120 IMPEDANCE VALUE	± 25% IMPEDANCE TOLERANCE

SAP PART NUMBERING GUIDELINES (INTERNAL)				
I	L	B	B	
PRODUCT FAMILY				
0	4	0	2	
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**

