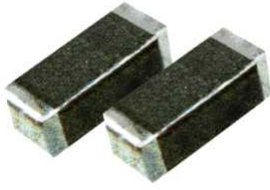


Multilayer Ferrite Chip beads



ISI offers a multi-layered ferrite chip beads with various sizes, frequency characteristics, and a board range of impedance values to provide solutions for EMI problems.

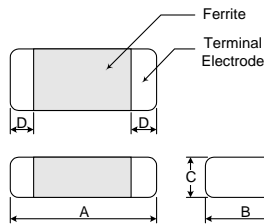
With a unique formula of ferrite comprise several types of EMI suppression chip beads that are classified into our - LCBM series.

Manufactured to RoHS compliance.

Product Identification

- Packaging: T : Tape and Reel ; B : Bulk
- Tolerance:; M = $\pm 20\%$;
- Note: ISI has released lead-free chip beads,
- Operating Temp. Range -55 Deg. C to +125 Deg. C.

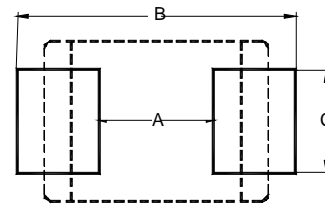
Shapes and Dimensions



Dimensions in mm

TYPE	A	B	C	D
LCB0603M	1.6 \pm 0.20	0.80 \pm 0.15	0.8 \pm 0.15	0.3 \pm 0.2
LCB0805M	2.0 \pm 0.20	1.25 \pm 0.20	0.9 \pm 0.20	0.5 \pm 0.3
LCB1206M	3.2 \pm 0.20	1.60 \pm 0.20	1.1 \pm 0.20	0.5 \pm 0.3
LCB1206M	3.2 \pm 0.20	1.60 \pm 0.20	1.6 \pm 0.20	0.5 \pm 0.3
LCB1210M	3.2 \pm 0.20	2.50 \pm 0.20	1.3 \pm 0.20	0.5 \pm 0.3
LCB1806M	4.5 \pm 0.25	1.60 \pm 0.20	1.6 \pm 0.20	0.5 \pm 0.3
LCB1812M	4.5 \pm 0.25	3.20 \pm 0.20	1.5 \pm 0.20	0.5 \pm 0.3

Recommended Pattern



Dimensions in mm

TYPE	A	B	C
LCB0603M	0.8	2.4 ~ 3.4	0.6
LCB0805M	1.2	3.0 ~ 4.0	1.0
LCB1206M	2.0	4.2 ~ 5.2	1.2
LCB1206M	2.0	4.2 ~ 5.2	1.2
LCB1210M	2.0	5.5 ~ 6.5	1.8
LCB1806M	3.0	5.5 ~ 6.5	1.2
LCB1812M	3.0	5.5 ~ 6.5	2.4

Dimension Conversion

Code	Dimension in mm (AxBxC)	EIA
LCB0603M	1.6x0.8x0.8	0603
LCB0805M	2.0x1.2x0.9	0805
LCB1206M	3.2x1.6x1.1	1206
LCB1206M	3.2x1.6x1.6	1206
LCB1210M	3.2x2.5x1.3	1210
LCB1806M	4.5x1.6x1.6	1806
LCB1812M	4.5x3.2x1.5	1812

Test					Rated				
Part Number	Frequency (Mhz)	Impedance (+/- 25%)	DCR (Ohms)	Current (mA) Max.	Part Number	Frequency (Mhz)	Impedance (+/- 25%)	DCR (Ohms)	Current (mA) Max.
LCB0603M-110	100	11	0.03	1000	LCB1206M-190	100	19	0.03	1000
LCB0603M-190	100	19	0.05	1000	LCB1206M-260	100	26	0.03	1000
LCB0603M-300	100	30	0.06	800	LCB1206M-320	100	32	0.03	1000
LCB0603M-400	100	40	0.06	800	LCB1206M-500	100	50	0.06	800
LCB0603M-600	100	60	0.06	600	LCB1206M-600	100	60	0.06	800
LCB0603M-800	100	80	0.1	600	LCB1206M-700	100	70	0.06	800
LCB0603M-121	100	120	0.15	600	LCB1206M-900	100	90	0.1	800
LCB0603M-221	100	220	0.18	400	LCB1206M-121	100	120	0.1	800
LCB0603M-301	100	300	0.25	400	LCB1206M-151	100	150	0.1	800
LCB0603M-451	100	450	0.3	400	LCB1206M-201	100	200	0.15	600
LCB0603M-601	100	600	0.3	400	LCB1206M-401	100	400	0.15	600
LCB0603M-751	100	750	0.45	300	LCB1206M-501	100	500	0.15	600
LCB0603M-102	100	1000	0.45	300	LCB1206M-601	100	600	0.2	500
					LCB1206M-102	50	1000	0.25	400
LCB0805M-070	100	7	0.06	1000	LCB1206M-122	50	1200	0.25	400
LCB0805M-090	100	9	0.06	1000	LCB1206M-202	30	2000	0.35	400
LCB0805M-110	100	11	0.06	1000					
LCB0805M-170	100	17	0.06	1000	LCB1210M-320	100	32	0.1	1000
LCB0805M-320	100	32	0.06	1000	LCB1210M-600	100	60	0.1	1000
LCB0805M-600	100	60	0.1	800	LCB1210M-900	100	90	0.1	1000
LCB0805M-700	100	70	0.1	800					
LCB0805M-800	100	80	0.1	800	LCB1806M-500	100	50	0.1	1000
LCB0805M-121	100	120	0.15	600	LCB1806M-600	100	60	0.1	1000
LCB0805M-151	100	150	0.15	600	LCB1806M-800	100	80	0.1	1000
LCB0805M-221	100	220	0.18	600	LCB1806M-101	100	100	0.18	800
LCB0805M-301	100	300	0.18	600	LCB1206M-190	100	19	0.03	1000
LCB0805M-401	100	400	0.18	600	LCB1206M-260	100	26	0.03	1000
LCB0805M-501	100	500	0.25	500	LCB1206M-320	100	32	0.03	1000
LCB0805M-601	100	600	0.25	500	LCB1206M-500	100	50	0.06	800
LCB0805M-751	100	750	0.3	400	LCB1206M-600	100	60	0.06	800
LCB0805M-102	100	1000	0.3	400	LCB1206M-700	100	70	0.06	800
LCB0805M-152	100	1500	0.4	400	LCB1206M-900	100	90	0.1	800
LCB0805M-202	100	2000	0.55	400	LCB1206M-121	100	120	0.1	800