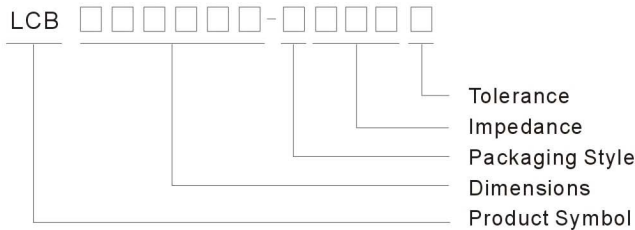


## LCB Series Multilayer Ferrite Chip Beads

### Features

- Standard type used to suppress lower-frequency, lower current signals.
- Impedance over a broad frequency range.
- Suitable for flow and reflow soldering.
- Available in 8 sizes.

### Products Identification

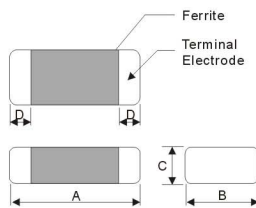


### Applications

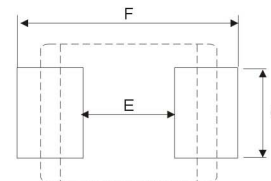
- I/O ports, DC power lines, and Signal lines
- Computer and peripheral products
- Consumer electronic products

- Packaging: T: Tape and Reel; B: Bulk
- Tolerance: K=±10% M=±20%

### Shapes and Dimensions



### Recommended Pattern



Dimensions in mm

TYPE	A	B	C	D	E	F	G	AXBXC	EIA
LCB100505	1.0±0.10	0.50±0.10	0.5±0.10	0.25±0.10	0.4	1.2~1.4	0.4	1.0X0.5X0.5	0402
LCB160808	1.6±0.20	0.80±0.20	0.8±0.20	0.3±0.2	0.8	2.4~3.4	0.6	1.6X0.8X0.8	0603
LCB201209	2.0±0.20	1.25±0.20	0.9±0.20	0.5±0.3	1.2	3.0~4.0	1.0	2.0X1.2X0.9	0805
LCB321611	3.2±0.20	1.60±0.20	1.1±0.20	0.5±0.3	2.0	4.2~5.2	1.2	3.2X1.6X1.1	1206
LCB321616	3.2±0.20	1.60±0.20	1.6±0.20	0.5±0.3	2.0	4.2~5.2	1.2	3.2X1.6X1.6	1206
LCB322513	3.2±0.20	2.50±0.20	1.3±0.20	0.5±0.3	2.0	5.5~6.5	1.8	3.2X2.5X1.3	1210
LCB451616	4.5±0.25	1.60±0.20	1.6±0.20	0.5±0.3	3.0	5.5~6.5	1.2	4.5X1.6X1.6	1806
LCB453215	4.5±0.25	3.20±0.20	1.5±0.20	0.5±0.3	3.0	5.5~6.5	2.4	4.5X3.2X1.5	1812

### Electrical Characteristics

Part Number	Test Freq. (MHz)	Impedance ( $\Omega \pm 25\%$ )	DC Resistance ( $\Omega$ )Max.	Rated Current (mA)Max.
LCB100505T-060K	100	6	0.05	500
LCB100505T-100K	100	10	0.05	500
LCB100505T-400K	100	40	0.30	300
LCB100505T-800K	100	80	0.40	200
LCB100505T-121K	100	120	0.50	200
LCB100505T-241K	100	240	0.50	200
LCB100505T-481K	100	480	0.80	200
LCB100505T-601K	100	600	1.00	200
LCB100505T-102K	100	1000	1.50	100
LCB100505T-152K	100	1500	2.00	60