

FB Series (Multilayer Ferrite Chip Bead)

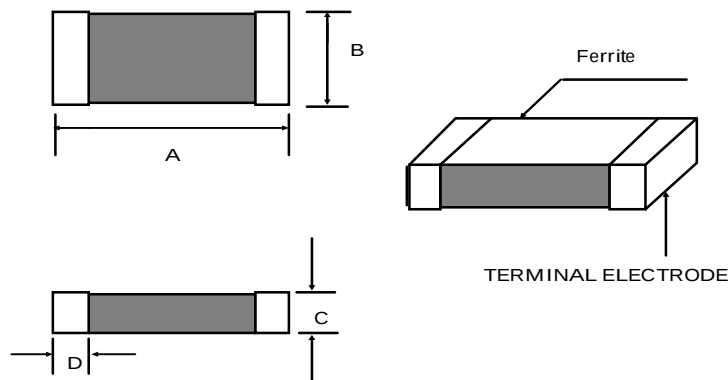
● FEATURE

1. Small size chips generating high impedance
2. High reliability due to an entirely monolithic structure
3. Low DC resistance structure of electrode prevents wasteful electric power consumption
4. Suppress EM/RFI and to prevent self-oscillation in electronic products

● Applications

1. Cellular phones, Digital communication equipment, Various electronics equipments
2. Circuit where a stable ground is unavailable

● Shape and Dimension



● Specification

Dimension in m/m(in inches)

TYPE	A	B	C	D
100505(0402)	1.0±0.05(0.040±0.002)	0.50±0.05(0.020±0.002)	0.5±0.05(0.020±0.002)	0.2±0.10
160808(0603)	1.6±0.15(0.063±0.006)	0.80±0.15(0.031±0.006)	0.8±0.15(0.031±0.006)	0.5±0.30
201209(0805)	2.0±0.20(0.079±0.008)	1.25±0.20(0.049±0.008)	0.9±0.20(0.035±0.008)	0.5±0.30
321611(1206)	3.2±0.20(0.126±0.008)	1.60±0.20(0.063±0.008)	1.1±0.20(0.043±0.008)	0.7±0.30
322513(1210)	3.2±0.20(0.126±0.008)	2.50±0.20(0.098±0.008)	1.3±0.20(0.051±0.008)	0.8±0.30

Note1: Test equipment: HP 4291A Impedance analyzer

● Electrical characteristics

Your Perfect Inductor

Rev.0701

Part Number	Impedance(Ω) $\pm 25\%$ at 100MHz	DC Resistance(Ω)Max	Rated Current (mA) Max
FB100505U100	10	0.05	500
FB100505U300	30	0.20	300
FB100505U600	60	0.40	200
FB100505U121	120	0.50	200
FB100505U301	300	0.75	100
FB100505U601	600	1.10	50
FB100505U102	1000	1.50	50
FB160808U190	19	0.10	400
FB160808U310	31	0.10	400
FB160808U400	40	0.15	400
FB160808U520	52	0.15	400
FB160808U600	60	0.15	400
FB160808U800	80	0.15	400
FB160808U101	100	0.15	400
FB160808U121	120	0.15	400
FB160808U151	150	0.15	400
FB160808U181	180	0.20	400
FB160808U201	200	0.20	400
FB160808U221	220	0.20	400
FB160808U301	300	0.30	400
FB160808U401	400	0.30	400
FB160808U451	450	0.30	400
FB160808U601	600	0.35	400
FB160808U751	750	0.35	400
FB160808U102	1000	0.55	300
FB160808U152	1500	0.60	200
FB201209U070	7	0.10	300
FB201209U110	11	0.10	300
FB201209U170	17	0.10	300
FB201209U260	26	0.10	300
FB201209U310	31	0.10	300
FB201209U520	52	0.15	300
FB201209U600	60	0.15	300
FB201209U800	80	0.15	300
FB201209U101	100	0.20	300
FB201209U121	120	0.20	300

Part Number	Impedance(Ω) $\pm 25\%$ at 100MHz	DC Resistance(Ω)Max	Rated Current (mA) Max
FB201209U151	150	0.20	300
FB201209U221	220	0.25	300
FB201209U301	300	0.25	300
FB201209U401	400	0.30	300
FB201209U601	600	0.35	300
FB201209U102	1000	0.45	300
FB201209U152	1500	0.70	300
FB321611U190	19	0.10	800
FB321611U260	26	0.10	800
FB321611U310	31	0.10	800
FB321611U520	52	0.15	800
FB321611U600	60	0.15	500
FB321611U700	70	0.15	500
FB321611U101	100	0.20	450
FB321611U121	120	0.20	450
FB321611U151	150	0.20	450
FB321611U301	300	0.20	350
FB321611U401	400	0.25	350
FB321611U601	600	0.25	350
FB321611U751	750	0.30	350
FB321611U102	1000	0.35	350
FB321611U152	1500	0.40	350
FB321611U182	1800	0.40	350
FB322513U310	31	0.10	500
FB322513U520	52	0.30	400
FB322513U600	60	0.10	400