

FI SERIES(Multilayer Ferrite Chip Bead-High Current)

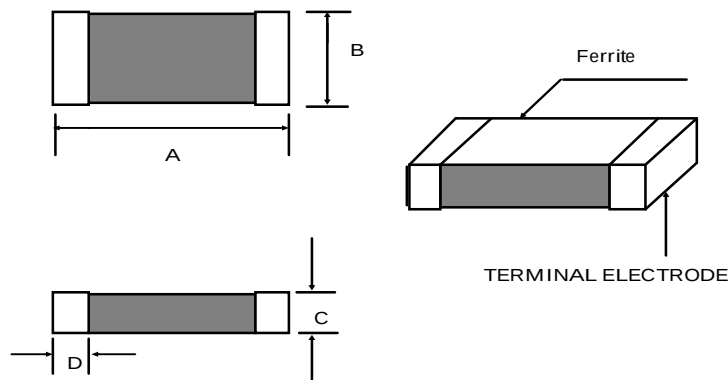
● FEATURE

1. Used on high current circuits due to its low
2. High reliability due to an entirely monolithic structure
3. Low DC resistance structure of electrode prevents wasteful electric power consumption
4. Suppress EMI/RFI and to prevent self-oscillation in electronic products

● Applications

1. Hard drives, Monitors
2. Circuit where a stable ground is unavailable

● Shape and Dimension



● Specification

Dimension in m/m(in inches)

TYPE	A	B	C	D
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
451616(1806)	4.5±0.20(0.177±0.008)	1.60±0.20(0.063±0.008)	1.6±0.20(0.063±0.008)	0.8±0.30
453215(1812)	4.5±0.20(0.177±0.008)	3.20±0.20(0.126±0.008)	1.5±0.20(0.042±0.008)	0.8±0.30

Note1: Test equipment: HP 4291A Impedance analyzer

● Electrical characteristics

Part Number	Impedance(Ω) $\pm 25\%$ at 100MHz	DC Resistance(Ω)Max	Rated Current (mA) Max
FI160808U300-3A	30	0.04	3000
FI160808U600-3A	60	0.05	3000
FI160808U121-3A	120	0.04	3000
FI201209U110-3A	11	0.03	3000
FI201209U170-3A	17	0.03	3000
FI201209U310-3A	31	0.03	3000
FI201209U470-3A	47	0.03	3000
FI201209U520-3A	52	0.03	3000
FI201209U600-3A	60	0.04	3000
FI201209U800-3A	80	0.04	3000
FI201209U121-3A	120	0.05	3000
FI201209U301-3A	300	0.05	3000
FI201209U601-1A	600	0.30	1000
FI201209U102-1A	1000	0.30	1000
FI321611U310-3A	31	0.03	3000
FI321611U520-3A	52	0.03	3000
FI321611U700-3A	70	0.04	3000
FI321611U101-2A	100	0.04	3000
FI321611U151-3A	150	0.05	3000
FI321611U301-3A	300	0.06	3000
FI321611U601-1A	600	0.30	1000
FI321611U102-1A	1000	0.30	1000
FI451616U600-3A	60	0.04	3000
FI451616U800-3A	80	0.04	3000
FI451616U101-3A	100	0.04	3000
FI451616U601-3A	600	0.06	3000
FI451616U851	850(at 50 MHz)	0.10	1500
FI453215U121	120	0.04	3000
FI453215U151	150	0.04	3000
FI453215U132	1300(at 30 MHz)	0.06	3000