

Ferrite Chip Beads for Low Frequency Applications

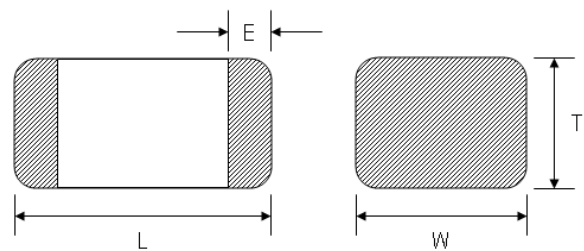
Application Field

Filtering between analog and digital circuitry, clock generation circuitry, I/O interconnects, isolation between RF noisy circuits and logic devices susceptible to functional degradation power supply filtering to prevent conducted RF energy from corrupting the power generation circuitry. Sharp impedance characteristics can effectively minimize attenuation, low frequency EMI prevention of Computers, Hard Drives, Modems, Printers, CD-ROMs, VCRs, Televisions, Audio Equipment.

Directions

- ◎ Impedance Range : 26 to 1000 Ohms @ 100MHz
- ◎ Operating Temperature Range : -55°C to +125°C
- ◎ Soldering Method : Reflow or Wave Soldering
- ◎ Packaging Method : Tape & Reel (per EIA Specifications)
- ◎ Storage Temperature : -40°C to +85°C , 70% RH Max

Dimensions and footprint (Unit : mm)



Unit : mm(inches)

Size	Length(L)	Width(W)	Thickness(T)	Electrode Width(E)
MCB-160808F	1.60±0.150(0.063±0.006)	0.80±0.150(0.031±0.006)	0.80±0.150(0.031±0.006)	0.30±0.200(0.012±0.008)
MCB-201209F	2.00±0.200(0.079±0.008)	1.25±0.200(0.049±0.008)	0.90±0.200(0.035±0.008)	0.50±0.300(0.020±0.012)
MCB-321611F	3.20±0.200(0.126±0.008)	1.60±0.200(0.063±0.008)	1.10±0.200(0.043±0.008)	0.50±0.300(0.020±0.012)

Product Detail

Electrical Characteristics			Test Instruments
Z	(Ref. Page 7~10)	TEST FREQ : (Ref. Page 7~10)MHz TEST LEVEL : 250 mV	HP4291B RF IMPEDANCE / MATERIAL ANALYZER HP4338A/B MILLIOHMETER Agilent 8720ES S-PARAMETER NETWORK ANALYZER HP6632B SYSTEM DC POWER SUPPLY
θ	NA		
SRF	NA		
DCR	(Ref. Page 7~10)		
IDC	mA (Ref. Page 7~10)		

Part Number Code

MCB - 160808 - F 0120
 1 2 3 4

- 1、Product Code
- 2、Dimensions Code
- 3、Series Type : F = For Low Frequency Applications
- 4、Impedance(Ω)

Specification

Part No.	Impedance (Ω) \pm 25%	Test Freq. (MHz)	DCR Max.(Ω)	Standard Rated Current (mA)
MCB-160808F-0080	80	100	0.30	200
MCB-160808F-0120	120	100	0.40	200
MCB-160808F-0240	240	100	0.40	200
MCB-160808F-0300	300	100	0.50	200
MCB-160808F-0600	600	100	0.40	500
MCB-160808F-1000	1000	100	0.80	200

Part No.	Impedance (Ω) \pm 25%	Test Freq. (MHz)	DCR Max.(Ω)	Standard Rated Current (mA)
MCB-201209F-0080	80	100	0.20	300
MCB-201209F-0120	120	100	0.30	300
MCB-201209F-0240	240	100	0.40	200
MCB-201209F-0300	300	100	0.50	200
MCB-201209F-0430	430	100	0.50	200
MCB-201209F-0600	600	100	0.50	200
MCB-201209F-1000	1000	100	0.50	200

Part No.	Impedance (Ω) \pm 25%	Test Freq. (MHz)	DCR Max.(Ω)	Standard Rated Current (mA)
MCB-321611F-0026	26	100	0.20	400
MCB-321611F-0070	70	100	0.30	300
MCB-321611F-0600	600	100	0.90	200