

SMD MULTILAYER FERRITE CHIP BEADS HIGH IMPEDANCE

FB201209 (0805) Series

A. Electrical Specifications

P/N	Impedance (Ω) $\pm 25\%$ @100MHz	DCR Max. (Ω)	I rms. Max. (mA)
FB201209Z100- LRH	10	0.10	800
FB201209Z300- LRH	30	0.10	800
FB201209Z600- LRH	60	0.10	900
FB201209Z800- LRH	80	0.15	600
FB201209Z121- LRH	120	0.15	600
FB201209Z221- LRH	220	0.20	700
FB201209Z301- LRH	300	0.25	700
FB201209Z601- LRH	600	0.35	500
FB201209Z102- LRH	1000	0.50	500
FB201209U100- LRH	10	0.10	800
FB201209U110- LRH	11	0.10	900
FB201209U300- LRH	30	0.10	600
FB201209U600- LRH	60	0.10	800
FB201209U800- LRH	80	0.10	800
FB201209U121- LRH	120	0.10	800
FB201209U221- LRH	220	0.20	500
FB201209U301- LRH	300	0.20	500
FB201209U601- LRH	600	0.30	500
FB201209U102- LRH	1000	0.45	500
FB201209G070- LRH	7	0.10	800
FB201209G310- LRH	31	0.10	800
FB201209G600- LRH	60	0.15	700
FB201209G800- LRH	80	0.20	500
FB201209G121- LRH	120	0.20	600
FB201209G221- LRH	220	0.20	500
FB201209G301- LRH	300	0.25	500
FB201209G601- LRH	600	0.45	300
FB201209G102- LRH	1000	0.45	300
FB201209G152- LRH	1500	0.45	400
FB201209G202- LRH	2000	0.60	300
FB201209G222- LRH	2200	0.60	300
FB201209G252- LRH	2500	0.60	300
FB201209G272- LRH	2700	0.65	300
FB201209B070- LRH	7	0.15	600
FB201209B300- LRH	30	0.15	600
FB201209B600- LRH	60	0.20	300
FB201209B121- LRH	120	0.25	300
FB201209B221- LRH	220	0.35	300
FB201209B301- LRH	300	0.40	300
FB201209B601- LRH	600	0.50	300
FB201209B102- LRH	1000	0.60	300

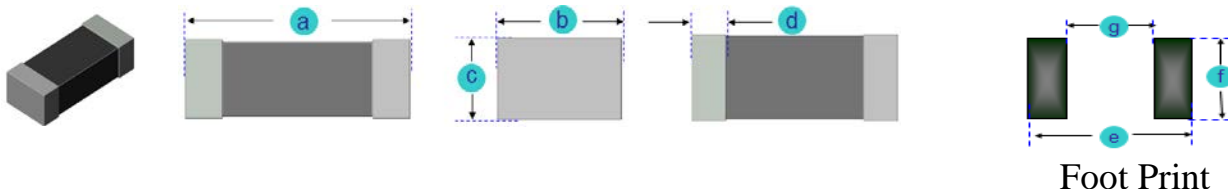
B. Materials:

ITEM	UNIT	Material Code				
		L	B	G	U	Z
Initial Permeability (μ iac):	----	25	45	110	200	500
Maximum Permeability (μ m):	----	125	125	250	450	900
Saturation Flux Density at 10 Oe (Bs):	Gauss	2000	2000	1700	1400	1500
Curie Temperature (Tc):	$^{\circ}$ C	>200	>200	>130	>130	>100
Volume Resistivity (ρ):	Ω -m	100000	100000	100000	100000	100000
Temperature Coefficient:	1/10000 $^{\circ}$ C	10	10	12	13	5
Density:	g/cm 3	4.8	4.8	4.8	4.8	4.8

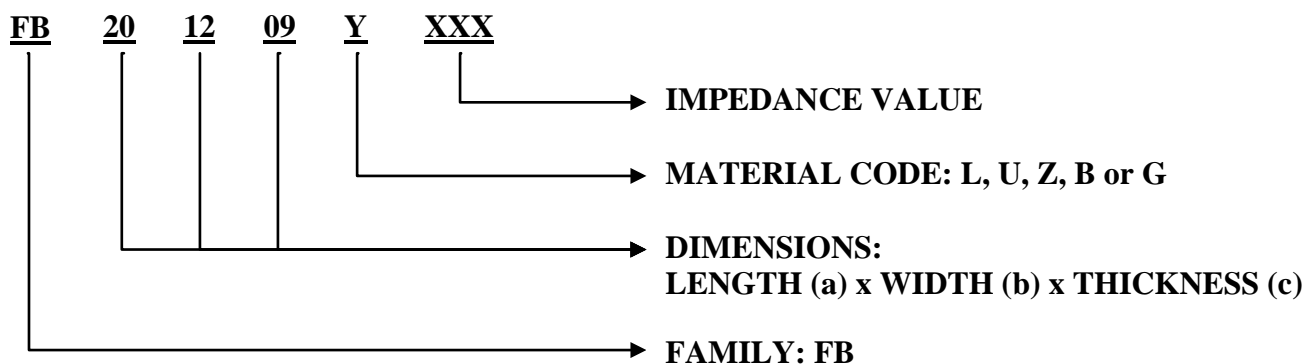


C. Dimensions mm (Inch)

Series	a	b	c	d	e	f	g
FB201209	2.0 (0.079)	1.2 (0.047)	0.9 (0.035)	0.5 (0.020)	3.20 (0.126)	1.50 (0.059)	0.60 (0.024)
Tol.	± 0.2 (0.008)	± 0.2 (0.008)	± 0.2 (0.008)	± 0.3 (0.012)	Typ.	Typ.	Typ.



D. Part Number Key:



C. General Information

1. P/N: FB201209-YXXX-LRH, "FB201209" = Type, "Y" = Material, "XXX" = Impedance, "-LRH" = "RoHS + H. F."
2. Tolerance: ±25%
3. Small and lightweight surface mounting type.
4. Dimensions are suitable for automatic mounting
5. High-density packaging with a pitch of 2.54 mm (0.1 inch) max. is possible. This series requires less space and have greater EMI suppression effects.
6. Different types with the same shape are available.
7. Excellent in physical properties, such as terminal strength, flexure strength, soldering resistance and solder-ability.
8. Applicable to both flow and IR reflow soldering.
9. High impedance covers wide frequency ranges.
10. TI series can be used in high current circuits due to its low DC resistance.
11. Operating temperature: -40°C to +125°C.
12. Impedance and Current Range: From 7 Ω (800 mA) to 2700 Ω (300 mA)
13. Unspecified values available on request.
14. Parts meet "RoHS + H. F." requirements.
15. MSL: Level 1.

D. Applications

1. Game Consoles
2. Set Top Boxes
3. Cables Modems
4. Computers
5. Mobile Communication Devices (Cell Phones, Radios, etc.)

E. Supplementary Information

1. Packaging Information (See Appendix A)
2. Solder Profile (See Appendix B)

We can produce this product to customer's unique specifications.

