Ferrite Multilayer Chip Bead

Feature

1. Internal silver printed layer creates a closed circuit which acts as a magnetic shield minimizing heat generation and crosstalk;
2. No need for grounding provides greater circuit design flexibility;
3. Superior solderability and resistance to soldering heat, ideal for wave or reflow soldering.
4. Serial material and design types and a broad range of impedance values provide noise countermeasures for various application.
5. KCGB Series; KCHC Series; KCHB Series; KCSB Series are available.

Application

1. High frequency noise countermeasure in personal computers, digital cameras and other information system products. For use on digital product clock lines and general signal lines.
2. Radiated noise suppression in computer or printer interfaces and harness connectors.
3. Noise suppression in video and other AV products.
4. Prevents interference between circuits in cellular phones (PHS, PDC, etc.)

KCGB Series: General beads for uses;
KCHC Series: High current bead , ideal for power lines
KCHB Series: High-frequency ferrite bead, ideal for GHz band noise suppression;
KCSB Series: Sharp ferrite bead, used for signal lines.

Available type

1005;
1608;
2012;
3216;
4532;

Identification

KCGB	1608	B	101	T
1	2	3	4	5

1. Series name
2. Type
3. Material code
4. Impedance (680: 800 Ohm; 101: 100 Ohm)
5. Package (T: Taping B: bulk)

KCGB 1005 TYPE

Kingcera P/N	Impedance (Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max	Rated Current (mA) max
KCGB1005B100○	10	± 25%	100	0.05	500
KCGB1005B190○	19			0.10	500
KCGB1005B310○	31			0.10	300
KCGB1005B470○	47			0.15	300
KCGB1005B600○	60			0.20	200
KCGB1005B800○	80			0.30	200
KCGB1005B121○	120			0.40	150
KCGB1005B221○	220			0.50	120
KCGB1005B331○	330			0.50	120
KCGB1005B471○	470			0.60	50
KCGB1005B601○	600			0.80	50
KCGB1005B102○	1000			1.00	50

KCGB 1608 TYPE

Kingcera P/ N	Impedance （Ω）	Tolerance	Test Frequency (MHz)	DCR（Ω） max	Rated Current(mA)max
KCGB1608B060○	6	±25%	100	0.05	1000
KCGB1608B110○	11			0.05	1000
KCGB1608B190○	19			0.05	500
KCGB1608B310○	31			0.08	500
KCGB1608B470○	47			0.10	500
KCGB1608B600○	60			0.10	500
KCGB1608B800○	80			0.10	300
KCGB1608B121○	120			0.20	200
KCGB1608B221○	220			0.30	200
KCGB1608B331○	330			0.35	200
KCGB1608B471○	470			0.40	200
KCGB1608B601○	600			0.50	150
KCGB1608B102○	1000			0.80	100
KCGB1608B152○	1500			0.90	100
KCGB1608B202○	2000			1.20	50

KCGB 2012 TYPE

Kingcera P/N	Impedance （Ω）	Tolerance	Test Frequency (MHz)	DCR（Ω） max	Rated Current (mA)max
KCGB2012B070○	7	±25%	100	0.05	1000
KCGB2012B110○	11			0.05	1000
KCGB2012B190○	19			0.05	1000
KCGB2012B310○	31			0.05	1000
KCGB2012B600○	60			0.10	1000
KCGB2012B700○	70			0.10	800
KCGB2012B121○	120			0.15	800
KCGB2012B221○	220			0.25	300
KCGB2012B331○	330			0.35	300
KCGB2012B471○	470			0.40	300
KCGB2012B601○	600			0.30	200
KCGB2012B102○	1000			0.50	200
KCGB2012B152○	1500			0.70	200
KCGB2012B202○	2000			0.80	200
KCGB2012B252○	2500			0.90	200

KCGB 3216 TYPE

Kingcera P/N	Impedance （Ω）	Tolerance	Test Frequency (MHz)	DCR（Ω） max	Rated Current (mA)max
KCGB3216B110○	11	±25%	100	0.05	1000
KCGB3216B190○	19			0.05	1000
KCGB3216B310○	31			0.05	1000
KCGB3216B600○	60			0.10	1000
KCGB3216B121○	120			0.15	800
KCGB3216B221○	220			0.20	500
KCGB3216B331○	330	±25%	100	0.25	300
KCGB3216B471○	470			0.30	300
KCGB3216B601○	600			0.30	300
KCGB3216B102○	1000			0.50	200
KCGB3216B152○	1500			0.60	200
KCGB3216B202○	2000			0.80	200
KCGB3216B252○	2500			1.00	200

KCHC 1608 TYPE

Kingcera P/N	Impedance(Ω)	Tolerance	Test Frequency (MHz)	DCR (Ω) max	Rated current (A) max
KCHC1608-070◯	7			0.05	4
KCHC1608-110◯	11			0.05	4
KCHC1608-310◯	31			0.06	3
KCHC1608-470◯	47			0.08	3
KCHC1608-680◯	68			0.08	2.5
KCHC1608-101◯	100			0.10	2.5
KCHC1608-151◯	150			0.10	2
KCHC1608-221◯	220			0.20	1.5
KCHC1608-331◯	330			0.20	1.5
KCHC1608-471◯	470			0.30	1
KCHC1608-601◯	600			0.40	0.8
KCHC2012-070◯	7			0.04	6
KCHC2012-110◯	11			0.05	6
KCHC2012-190◯	19			0.05	6
KCHC2012-310◯	31			0.06	4
KCHC2012-680◯	68			0.08	4
KCHC2012-101◯	100	±25%	100	0.10	3
KCHC2012-151◯	150			0.10	2.5
KCHC2012-221◯	220			0.15	2.0
KCHC2012-331◯	330			0.15	2
KCHC2012-471◯	470			0.20	1.5
KCHC2012-601◯	600			0.20	1.2
KCHC2012-102◯	1000			0.30	1
KCHC3216-110◯	11			0.04	6
KCHC3216-190◯	19			0.04	6
KCHC3216-310◯	31			0.05	6
KCHC3216-680◯	68			0.08	4
KCHC3216-101◯	100			0.08	3.5
KCHC3216-151◯	150			0.08	3
KCHC3216-221◯	220			0.10	2.5
KCHC3216-331◯	330			0.10	2.5
KCHC3216-471◯	470			0.15	2
KCHC3216-601◯	600			0.20	1.5
KCHC3216-102◯	1000			0.30	1

KCHB 1608 TYPE

Kingcera P/N	Impedance (Ω)	Tolerance	Test Frequency (MHz)	Impedance (Ω) (Typ) at 1GHz	DCR (Ω) max	Rated Current (mA) max
KCHB1608M471◯	470			1100	1.20	200
KCHB1608M601◯	600			1200	1.50	200
KCHB1608M102◯	1000			1700	1.80	100
KCHB1608D331◯	330	±25%	100	400	0.50	300
KCHB1608D471◯	470			600	0.85	200
KCHB1608D601◯	600			600	1.00	200
KCHB1608D102◯	1000			1200	1.50	100

KCSB Series Type

Kingcera P/N	Impedance （Ω）	Tolerance	Test Frequency (MHz)	DCR（Ω） max	Rated Current (mA) max
KCSB1005G100〇	10	±25%	100	0.05	500
KCSB1005G310〇	31			0.20	300
KCSB1005G600〇	60			0.40	200
KCSB1005G121〇	120			0.50	200
KCSB1005G221〇	220			0.70	100
KCSB1005G331〇	330			1.00	100
KCSB1608G600〇	60			0.40	300
KCSB1608G121〇	120			0.50	200
KCSB1608G221〇	220			0.70	100
KCSB1608G331〇	330			0.9	100
KCSB1608G601〇	600			1.50	100
KCSB2012G600〇	60			0.30	400
KCSB2012G121〇	120			0.40	300
KCSB2012G221〇	220			0.70	200
KCSB2012G471〇	470			0.80	200
KCSB2012G601〇	600			0.80	200
KCSB2012G102〇	1000			1.00	150
KCSB3216G600〇	60			0.20	600
KCSB3216G121〇	120			0.20	600
KCSB3216G221〇	220			0.20	600
KCSB3216G471〇	470			0.40	500
KCSB3216G601〇	600			0.40	400
KCSB3216G102〇	1000			0.50	300