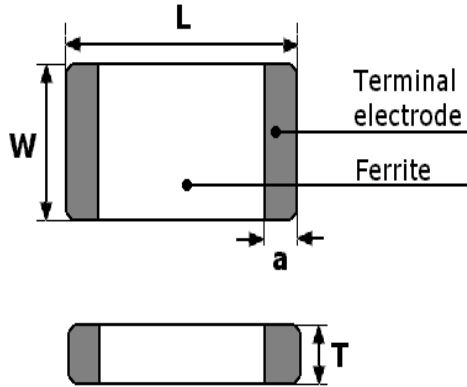




Multilayer Ferrite Chip Bead - (HDB)

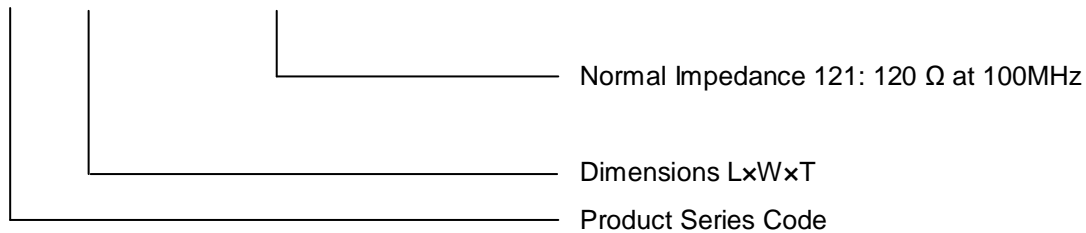
■ Dimensions and Construction



TYPE	L mm	W mm	T mm	a mm
060303 (0201)	0.6±0.03	0.3±0.03	0.3±0.03	0.1~0.2
100505 (0402)	1.0±0.05	0.5±0.05	0.5±0.05	0.1~0.3
160808 (0603)	1.6±0.15	0.8±0.15	0.8±0.15	0.2~0.6
201209 (0805)	2.0±0.2	1.25±0.2	0.90±0.2	0.2~0.8
321609 (1206)	3.2±0.2	1.6±0.2	0.9±0.2	0.4~1.0
451616 (1806)	4.5±0.2	1.6±0.2	1.6±0.2	0.6~1.0
453215 (1812)	4.5±0.2	3.2±0.2	1.5±0.2	0.6~1.0

■ Part Numbering System

HDB 160808 - 121



■ Electrical Characteristics

(1) Operating Temperature Ranges: $-25 \sim 85^{\circ}\text{C}$.

(2) Rated Current(ceramic material): DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient.

Rated Current(ferrite material): DC current at which the inductance drops approximate 10% from its value without current



HDB060303 (0201)

Part Number	Impedance $\Omega \pm 25\%$ @ 100MHz	DC Resistance Ω	Rated Current mA
HDB060303-400	40	0.3	300
HDB060303-500	50	0.3	300
HDB060303-600	60	0.35	300
HDB060303-700	70	0.35	300
HDB060303-121	120	0.45	200
HDB060303-151	150	0.50	200
HDB060303-221	220	0.75	200
HDB060303-301	300	0.90	150
HDB060303-601	600	1.7	200

HDB100505 (0402)

Part Number	Impedance $\Omega \pm 25\%$ @ 100MHz	DC Resistance Ω	Rated Current mA
HDB100505-100	10	0.05	500
HDB100505-300	30	0.20	300
HDB100505-600	60	0.40	200
HDB100505-700	70	0.40	200
HDB100505-800	80	0.40	200
HDB100505-101	100	0.45	200
HDB100505-121	120	0.50	200
HDB100505-151	150	0.60	200
HDB100505-181	180	0.65	100
HDB100505-221	220	0.70	100
HDB100505-301	300	0.75	100
HDB100505-331	330	0.75	100
HDB100505-471	470	0.80	100
HDB100505-501	500	0.90	100
HDB100505-601	600	0.90	100
HDB100505-751	750	1.00	100
HDB100505-102	1000	1.20	100
HDB100505-152	1500	1.60	100



HDB160808 (0603)

Part Number	Impedance $\Omega \pm 25\%$ @ 100MHz	DC Resistance Ω	Rated Current mA
HDB160808-190	19	0.10	400
HDB160808-310	31	0.10	400
HDB160808-520	52	0.15	400
HDB160808-600	60	0.15	400
HDB160808-800	80	0.15	400
HDB160808-101	100	0.15	400
HDB160808-121	120	0.15	400
HDB160808-151	150	0.15	400
HDB160808-181	180	0.20	400
HDB160808-201	200	0.20	400
HDB160808-221	220	0.20	400
HDB160808-301	300	0.30	400
HDB160808-401	400	0.30	400
HDB160808-451	450	0.30	400
HDB160808-601	600	0.35	400
HDB160808-751	750	0.35	400
HDB160808-102	1000	0.55	300
HDB160808-152	1500	0.60	200
HDB160808-182	1800	0.90	100
HDB160808-202	2000	1.2	100



HDB201209 (0805)

Part Number	Impedance $\Omega \pm 25\% @ 100\text{MHz}$	DC Resistance Ω	Rated Current mA
HDB201209-170	17	0.10	300
HDB201209-260	26	0.10	300
HDB201209-310	31	0.10	300
HDB201209-520	52	0.15	300
HDB201209-600	60	0.15	300
HDB201209-800	80	0.15	300
HDB201209-101	100	0.20	300
HDB201209-121	120	0.20	300
HDB201209-151	150	0.20	300
HDB201209-221	220	0.25	300
HDB201209-301	300	0.25	300
HDB201209-401	400	0.30	300
HDB201209-531	530	0.35	300
HDB201209-601	600	0.35	300
HDB201209-102	1000	0.45	300
HDB201209-152	1500	0.50	300
HDB201209-202	2000	0.50	300



HDB321609 (1206)

Part Number	Impedance $\Omega_{\pm 25\% @ 100\text{MHz}}$	DC Resistance Ω	Rated Current mA
HDB321609-000	≤ 10	0.05	1000
HDB321609-260	26	0.10	800
HDB321609-310	31	0.10	800
HDB321609-520	52	0.15	800
HDB321609-600	60	0.15	500
HDB321609-700	70	0.15	500
HDB321609-101	100	0.20	450
HDB321609-121	120	0.20	450
HDB321609-151	150	0.20	450
HDB321609-221	220	0.2	350
HDB321609-301	300	0.20	350
HDB321609-401	400	0.25	350
HDB321609-601	600	0.25	350
HDB321609-751	750	0.30	350
HDB321609-102	1000	0.35	350
HDB321609-152	1500	0.40	350
HDB321609-182	1800	0.40	350



HDB451616 (1806)

Part Number	Impedance $\Omega \pm 25\% @ 100\text{MHz}$	DC Resistance Ω	Rated Current mA
HDB451616-600	60	0.20	500
HDB451616-800	80	0.30	400
HDB451616-101	100	0.30	400
HDB451616-151	150	0.50	200
HDB451616-601	600	0.80	200

HDB453215 (1812)

Part Number	Impedance $\Omega \pm 25\% @ 100\text{MHz}$	DC Resistance Ω	Rated Current mA
HDB453215-310	31	0.10	500
HDB453215-600	60	0.20	500
HDB453215-121	120	0.20	500
HDB453215-151	150	0.20	500

■ Packaging Quantity

Type	Pcs/Reel
060303/0201	15000PCS
100505/0402	10000PCS
160808/0603	4000PCS
201209/0805	4000PCS
321609/1206	4000PCS
451616/1806	2000PCS
453215/1812	1000PCS