



T Y P E H C B

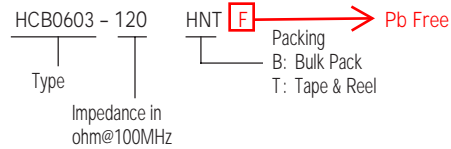
FEATURES

- High impedance for volume.
- Excellent for suppressing noise at high frequencies, from several MHz to several hundreds of MHz.
- The chip bead type is best suited for preventing the abnormal oscillation of high frequency amplifying circuits.
- Nickel barrier provides excellent solder heat resistance both flow soldering and reflow soldering are applicable.

APPLICATIONS

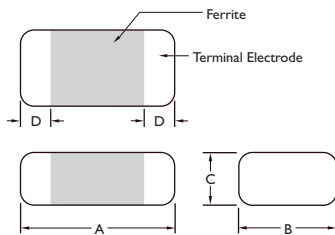
- Computers and peripherals.
- TVS, VCRS.
- Car — electronic equipment.
- Tuners, etc.

ORDERING INFORMATION



DIMENSIONS

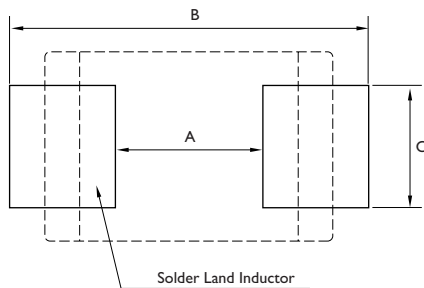
Dimensions : mm



TYPE	A	B	C	D
HCB 0402	1.0 ± 0.15	1.50 ± 0.15	0.5 ± 0.15	0.25 ± 0.15
HCB 0608	1.6 ± 0.20	0.80 ± 0.15	0.8 ± 0.15	0.4 ± 0.2
HCB 0805	2.0 ± 0.20	1.25 ± 0.20	0.9 ± 0.20	0.5 ± 0.3
HCB 1206	3.2 ± 0.20	1.60 ± 0.20	1.1 ± 0.20	0.5 ± 0.3
HCB 1210	3.2 ± 0.20	2.50 ± 0.20	1.3 ± 0.20	0.5 ± 0.3
HCB 1806	4.5 ± 0.25	1.60 ± 0.20	1.6 ± 0.20	0.5 ± 0.3
HCB 1812	4.5 ± 0.25	3.20 ± 0.20	1.5 ± 0.20	0.5 ± 0.3

RECOMMENDED PATTERN

Dimensions : mm



TYPE	A	B	C
HCB 0402	0.4	1.2 ~ 1.4	0.4
HCB 0603	0.8	2.4 ~ 3.4	0.6
HCB 0805	1.2	3.0 ~ 4.0	1.0
HCB 1206	2.0	4.2 ~ 5.2	1.2
HCB 1210	2.0	5.5 ~ 6.5	1.8
HCB 1806	3.0	5.5 ~ 6.5	1.2
HCB 1812	3.0	5.5 ~ 6.5	2.4

HIGH CURRENT FERRITE CHIP BEADS — TYPE HCB

ELECTRICAL CHARACTERISTICS

Part Number	Size Code	Test Frequency (MHz)	Impedance ($\Omega \pm 25\%$)	DC Resistance (Ω) max.	Rated Current (mA) max.	Quantity / Reel
HCB0402-010HNT	0402	100	10	0.030	2000	10000
HCB0402-030HNT	0402	100	30	0.050	1700	10000
HCB0402-040HNT	0402	100	40	0.075	1500	10000
HCB0402-060HNT	0402	100	60	0.075	1500	10000
HCB0402-070HNT	0402	100	70	0.090	1200	10000
HCB0402-080HNT	0402	100	80	0.090	1200	10000
HCB0402-120HNT	0402	100	120	0.090	1200	10000
HCB0603-010HNT	0603	100	10	0.020	4000	4000
HCB0603-011HNT	0603	100	11	0.020	4000	4000
HCB0603-019HNT	0603	100	19	0.030	3000	4000
HCB0603-020HNT	0603	100	20	0.030	3000	4000
HCB0603-022HNT	0603	100	22	0.030	3000	4000
HCB0603-023HNT	0603	100	23	0.030	3000	4000
HCB0603-025HNT	0603	100	25	0.030	3000	4000
HCB0603-030HNT	0603	100	30	0.030	3000	4000
HCB0603-031HNT	0603	100	31	0.035	3000	4000
HCB0603-040HNT	0603	100	40	0.035	3000	4000
HCB0603-047HNT	0603	100	47	0.040	3000	4000
HCB0603-050HNT	0603	100	50	0.040	3000	4000
HCB0603-056HNT	0603	100	56	0.040	3000	4000
HCB0603-060HNT	0603	100	60	0.040	3000	4000
HCB0603-068HNT	0603	100	68	0.050	2500	4000
HCB0603-070HNT	0603	100	70	0.050	2500	4000
HCB0603-075HNT	0603	100	75	0.050	2500	4000
HCB0603-080HNT	0603	100	80	0.050	2500	4000
HCB0603-090HNT	0603	100	90	0.050	2500	4000
HCB0603-100HNT	0603	100	100	0.050	2500	4000
HCB0603-120HNT	0603	100	120	0.080	2500	4000
HCB0603-150HNT	0603	100	150	0.085	2000	4000
HCB0603-180HNT	0603	100	180	0.090	2000	4000
HCB0603-200HNT	0603	100	200	0.095	2000	4000
HCB0603-220HNT	0603	100	220	0.100	2000	4000
HCB0603-240HNT	0603	100	240	0.120	1500	4000
HCB0603-300HNT	0603	100	300	0.120	1500	4000
HCB0603-330HNT	0603	100	330	0.120	1500	4000
HCB0603-400HNT	0603	100	400	0.120	1500	4000
HCB0603-470HNT	0603	100	470	0.150	1500	4000
HCB0603-500HNT	0603	100	500	0.150	1500	4000
HCB0603-600HNT	0603	100	600	0.200	1000	4000
HCB0603-750HNT	0603	100	750	0.250	800	4000
HCB0603-1000HNT	0603	100	1000	0.250	800	4000
HCB0603-1500HNT	0603	100	1500	0.400	500	4000
HCB0805-007HNT	0805	100	7	0.010	6000	4000
HCB0805-011HNT	0805	100	11	0.010	6000	4000
HCB0805-013HNT	0805	100	13	0.020	5000	4000
HCB0805-015HNT	0805	100	15	0.020	5000	4000
HCB0805-017HNT	0805	100	17	0.020	5000	4000

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HCB0805-019HNT	0805	100	19	0.020	4000	4000
HCB0805-022HNT	0805	100	22	0.020	4000	4000
HCB0805-026HNT	0805	100	26	0.020	4000	4000
HCB0805-028HNT	0805	100	28	0.020	4000	4000
HCB0805-030HNT	0805	100	30	0.020	4000	4000
HCB0805-031HNT	0805	100	31	0.020	4000	4000
HCB0805-032HNT	0805	100	32	0.020	4000	4000
HCB0805-039HNT	0805	100	39	0.020	3000	4000
HCB0805-040HNT	0805	100	40	0.020	3000	4000
HCB0805-042HNT	0805	100	42	0.025	3000	4000
HCB0805-050HNT	0805	100	50	0.025	3000	4000
HCB0805-060HNT	0805	100	60	0.030	3000	4000
HCB0805-070HNT	0805	100	70	0.040	3000	4000
HCB0805-075HNT	0805	100	75	0.040	3000	4000
HCB0805-080HNT	0805	100	80	0.040	3000	4000
HCB0805-090HNT	0805	100	90	0.040	3000	4000
HCB0805-100HNT	0805	100	100	0.040	3000	4000
HCB0805-120HNT	0805	100	120	0.040	3000	4000
HCB0805-130HNT	0805	100	130	0.050	2500	4000
HCB0805-150HNT	0805	100	150	0.050	2500	4000
HCB0805-180HNT	0805	100	180	0.050	2500	4000
HCB0805-200HNT	0805	100	200	0.050	2500	4000
HCB0805-220HNT	0805	100	220	0.080	2000	4000
HCB0805-250HNT	0805	100	250	0.080	2000	4000
HCB0805-300HNT	0805	100	300	0.080	2000	4000
HCB0805-330HNT	0805	100	330	0.080	2000	4000
HCB0805-400HNT	0805	100	400	0.100	2000	4000
HCB0805-450HNT	0805	100	450	0.100	2000	4000
HCB0805-470HNT	0805	100	470	0.100	2000	4000
HCB0805-500HNT	0805	100	500	0.100	2000	4000
HCB0805-600HNT	0805	100	600	0.100	2000	4000
HCB0805-750HNT	0805	100	750	0.120	1500	4000
HCB0805-1000HNT	0805	100	1000	0.120	1500	4000
HCB0805-1500HNT	0805	100	1500	0.300	1000	4000
HCB1206-008HNT	1206	100	8	0.015	6000	3000
HCB1206-011HNT	1206	100	11	0.015	6000	3000
HCB1206-019HNT	1206	100	19	0.015	6000	3000
HCB1206-026HNT	1206	100	26	0.015	6000	3000
HCB1206-030HNT	1206	100	30	0.015	4000	3000
HCB1206-031HNT	1206	100	31	0.015	4000	3000
HCB1206-032HNT	1206	100	32	0.015	4000	3000
HCB1206-035HNT	1206	100	35	0.015	4000	3000
HCB1206-040HNT	1206	100	40	0.015	4000	3000
HCB1206-042HNT	1206	100	42	0.015	4000	3000
HCB1206-050HNT	1206	100	50	0.020	4000	3000
HCB1206-060HNT	1206	100	60	0.020	4000	3000
HCB1206-068HNT	1206	100	68	0.020	4000	3000

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Part Number	Size Code	Test Frequency (MHz)	Impedance ($\Omega \pm 25\%$)	DC Resistance (Ω) max.	Rated Current (mA) max.	Quantity / Reel
HCB1206-070HNT	1206	100	70	0.020	4000	3000
HCB1206-080HNT	1206	100	80	0.025	3000	3000
HCB1206-090HNT	1206	100	90	0.030	3000	3000
HCB1206-100HNT	1206	100	100	0.030	2500	3000
HCB1206-120HNT	1206	100	120	0.030	2500	3000
HCB1206-150HNT	1206	100	150	0.040	2000	3000
HCB1206-200HNT	1206	100	200	0.050	2000	3000
HCB1206-220HNT	1206	100	220	0.050	2000	3000
HCB1206-300HNT	1206	100	300	0.060	2000	3000
HCB1206-400HNT	1206	100	400	0.100	2000	3000
HCB1206-500HNT	1206	100	500	0.100	2000	3000
HCB1206-600HNT	1206	100	600	0.100	2000	3000
HCB1206-1000HNT	1206	50	1000	0.150	1200	3000
HCB1206-1200HNT	1206	50	1200	0.180	1000	3000
HCB1206-1500HNT	1206	50	1500	0.200	800	3000
HCB1210-019HNT	1210	100	19	0.025	4000	2500
HCB1210-032HNT	1210	100	32	0.025	4000	2500
HCB1210-060HNT	1210	100	60	0.025	4000	2500
HCB1210-090HNT	1210	100	90	0.025	3000	2500
HCB1806-019HNT	1806	100	19	0.020	6000	2000
HCB1806-040HNT	1806	100	40	0.020	6000	2000
HCB1806-050HNT	1806	100	50	0.020	6000	2000
HCB1806-060HNT	1806	100	60	0.020	5000	2000
HCB1806-070HNT	1806	100	70	0.025	5000	2000
HCB1806-075HNT	1806	100	75	0.025	5000	2000
HCB1806-080HNT	1806	100	80	0.025	4000	2000
HCB1806-100HNT	1806	100	100	0.100	2000	2000
HCB1806-150HNT	1806	100	150	0.100	2000	2000
HCB1806-190HNT	1806	100	190	0.100	2000	2000
HCB1806-300HNT	1806	100	300	0.100	2000	2000
HCB1806-600HNT	1806	100	600	0.100	2000	2000
HCB1806-1000HNT	1806	100	1000	0.100	2000	2000
HCB1806-1300HNT	1806	100	1300	0.100	2000	2000
HCB1812-019HNT	1812	100	19	0.030	6000	1000
HCB1812-030HNT	1812	100	30	0.030	6000	1000
HCB1812-047HNT	1812	100	47	0.030	6000	1000
HCB1812-050HNT	1812	100	50	0.030	6000	1000
HCB1812-070HNT	1812	100	70	0.030	6000	1000
HCB1812-080HNT	1812	100	80	0.030	4000	1000
HCB1812-090HNT	1812	100	90	0.030	4000	1000
HCB1812-120HNT	1812	100	120	0.030	4000	1000
HCB1812-150HNT	1812	100	150	0.030	4000	1000
HCB1812-190HNT	1812	100	190	0.030	4000	1000