

C2012CB



■ Features

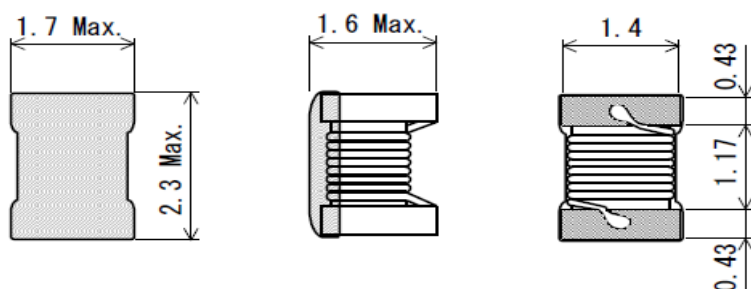
- Small chip inductor for low inductance
- As self resonance frequency is high, can be used in the high frequency range.
- Realized high Q by winding a thick wire directly around a ceramic core
- Narrow tolerance available for Inductance($\pm 2\%$)
- Operating temperature : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ (The self-heating is included)

Weight : 0.012 g

■ Applications

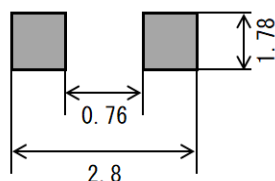
- Audio Visual/Portable Audio, TV and Monitor, Mini System, AV Amplifier, for Professionals
- Automotive/Car Audio, Car Tuner, Antenna
- Computer & Peripheral Device/Smartphone & Tablet, Wireless Router
- Home Electronics/Games
- Others/Energy, Transceivers, FA

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



SAGAMI ELEC CO., LTD.
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■ Specifications

SAGAMI Part No.	Inductance (μ H)	Q min.	Test Frequency (MHz)	Self-Resonant Frequency (SRF) (MHz)	DCR max. (Ω)	Temperature Rise Allowable Current (mA)
C2012CB-3N3M	3.3 $\pm$ 20%	50	200	6000	0.0800	600
C2012CB-6N8K	6.8 $\pm$ 10%	50	200	5500	0.110	600
C2012CB-6N8M	6.8 $\pm$ 20%	50	200	5500	0.110	600
C2012CB-8N2M	8.2 $\pm$ 20%	50	200	4700	0.120	600
C2012CB-12NG	12 $\pm$ 2%	45	200	4000	0.150	600
C2012CB-12NJ	12 $\pm$ 5%	45	200	4000	0.150	600
C2012CB-15NG	15 $\pm$ 2%	45	200	3400	0.170	600
C2012CB-15NJ	15 $\pm$ 5%	45	200	3400	0.170	600
C2012CB-18NG	18 $\pm$ 2%	45	200	3300	0.210	600
C2012CB-18NJ	18 $\pm$ 5%	45	200	3300	0.210	600
C2012CB-22NG	22 $\pm$ 2%	45	200	2600	0.220	500
C2012CB-22NJ	22 $\pm$ 5%	45	200	2600	0.220	500
C2012CB-27NG	27 $\pm$ 2%	45	200	2500	0.250	500
C2012CB-27NJ	27 $\pm$ 5%	45	200	2500	0.250	500
C2012CB-33NG	33 $\pm$ 2%	40	200	2050	0.270	500
C2012CB-33NJ	33 $\pm$ 5%	40	200	2050	0.270	500
C2012CB-39NG	39 $\pm$ 2%	40	200	2000	0.290	500
C2012CB-39NJ	39 $\pm$ 5%	40	200	2000	0.290	500
C2012CB-47NG	47 $\pm$ 2%	40	200	1650	0.310	500
C2012CB-47NJ	47 $\pm$ 5%	40	200	1650	0.310	500
C2012CB-56NG	56 $\pm$ 2%	40	150	1550	0.340	500
C2012CB-56NJ	56 $\pm$ 5%	40	150	1550	0.340	500
C2012CB-68NG	68 $\pm$ 2%	40	150	1450	0.380	500
C2012CB-68NJ	68 $\pm$ 5%	40	150	1450	0.380	500
C2012CB-82NG	82 $\pm$ 2%	40	150	1300	0.420	400
C2012CB-82NJ	82 $\pm$ 5%	40	150	1300	0.420	400
C2012CB-R10G	100 $\pm$ 2%	40	150	1200	0.460	400
C2012CB-R10J	100 $\pm$ 5%	40	150	1200	0.460	400
C2012CB-R12G	120 $\pm$ 2%	35	100	1100	0.510	400
C2012CB-R12J	120 $\pm$ 5%	35	100	1100	0.510	400
C2012CB-R15G	150 $\pm$ 2%	35	100	920	0.560	400
C2012CB-R15J	150 $\pm$ 5%	35	100	920	0.560	400
C2012CB-R18G	180 $\pm$ 2%	35	100	870	0.640	400

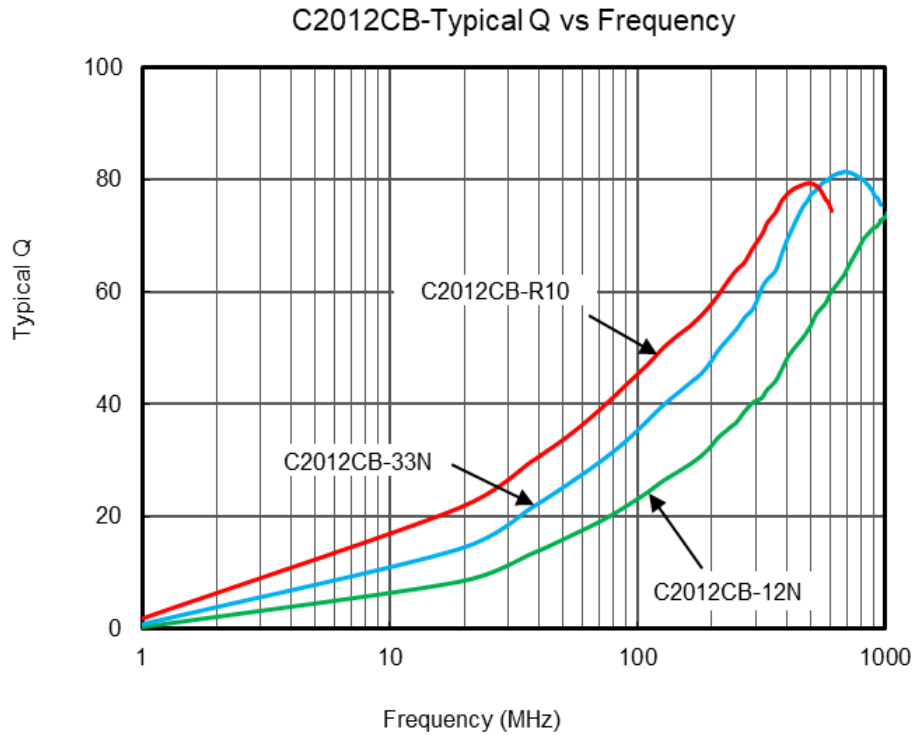
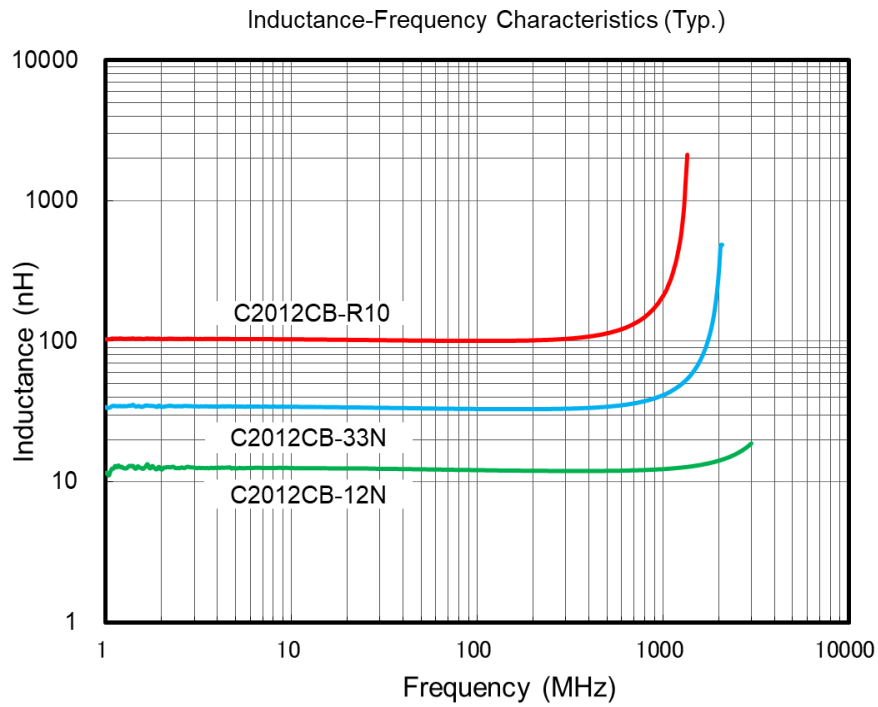


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■ Frequency characteristic graph



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