C2012CB

AEC-Q200

■ Features

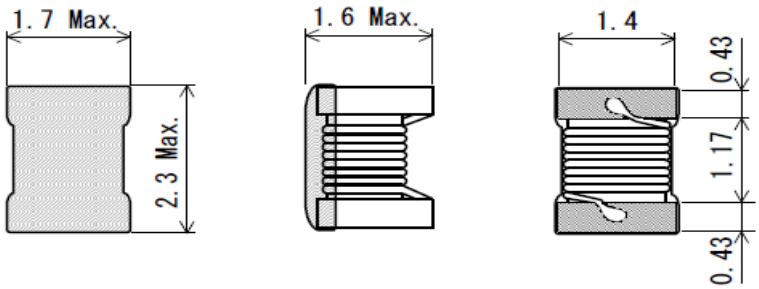
- Small chip inductor for low inductance
- As self resonance frequency is high, can be used in the high frequency range.
- Realized high Q by winding a thick wire directly around a ceramic core
- Narrow tolerance available for Inductance(±2%)
- AEC-Q200 compliant(except for terminal strength)
- Operating temperature：-40℃～+125℃(The self-heating is included)

Weight： 0.012 g

■ Applications

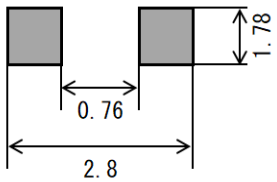
- Audio Visual/Portable Audio,TV and Monitor,Mini System, AV Amplifier, for Professionals
- Automotive/Car Audio,Car Tuner,Antenna
- Computer & Peripheral Device/Smartphone & Tablet,Wireless Router
- Home Electronics/Games
- Others/Energy,Transceivers,FA

■ Dimensions



(Unit：mm)

■ Recommended Land Pattern

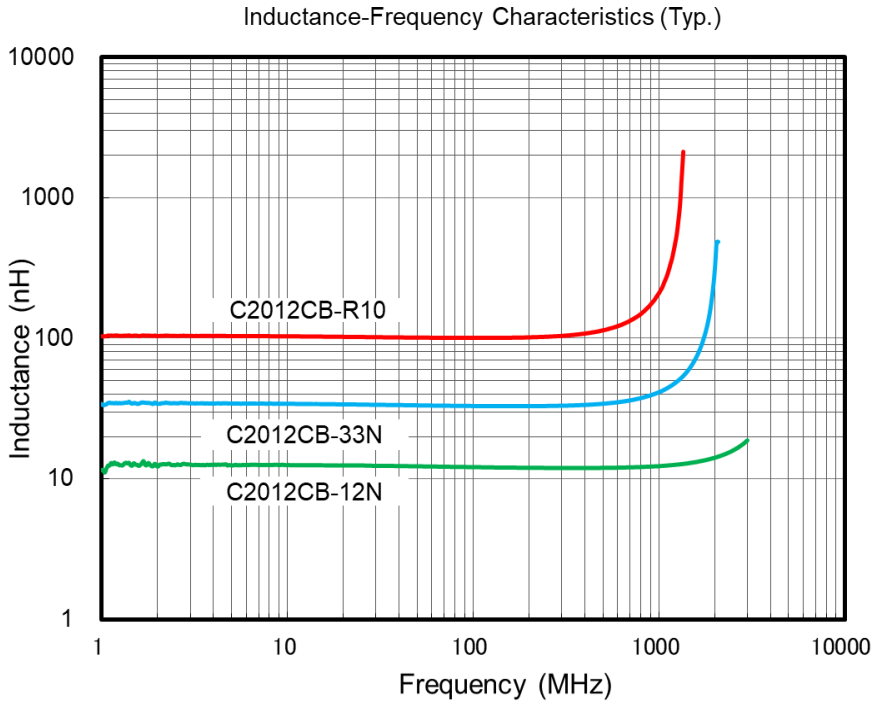
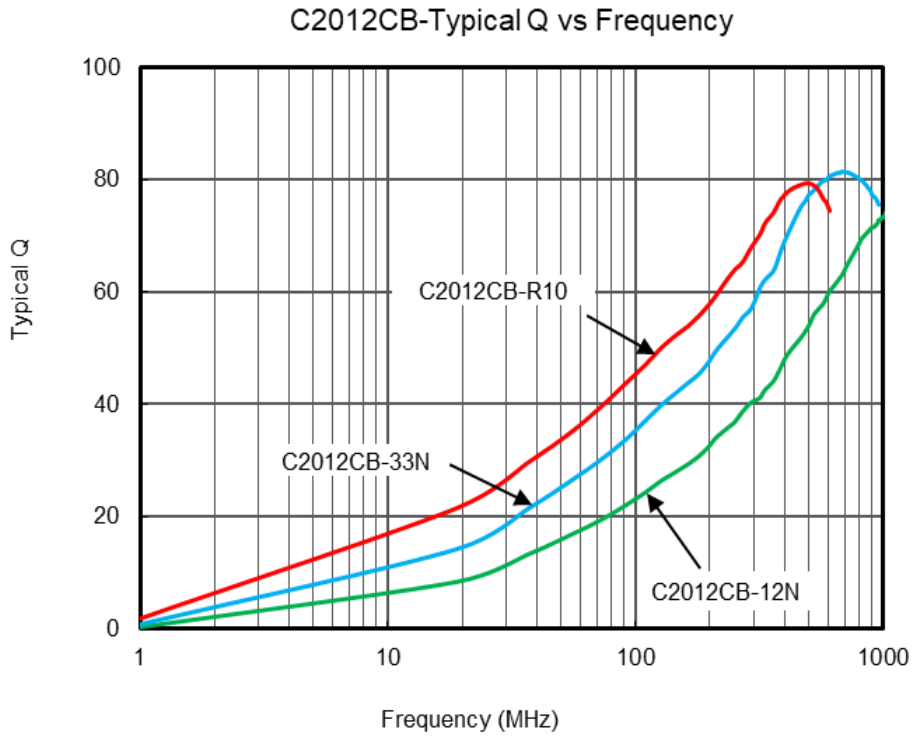


(Unit：mm)

SAGAMI ELEC CO., LTD.
https://www.sagami-elec.co.jp
10-30, Ichibashimo-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0024, Japan
Over Seas Sales Dept. TEL : +81 45 511 3141, E-mail : ossg@sagami-elec.co.jp
Engineering Dept. TEL : +81 45 521 4543

⚠ The contents of this catalogue are subject to change without notice.

■ Specifications

SAGAMI Part No.	Inductance (nH)	Q min.	Test Frequency (MHz)	Self-Resonant Frequency (SRF) (MHz)	DCR max. (Ω)	Temperature Rise Allowable Current (mA)
C2012CB-3N3M	3.3±20%	50	200	6000	0.0800	600
C2012CB-6N8K	6.8±10%	50	200	5500	0.110	600
C2012CB-6N8M	6.8±20%	50	200	5500	0.110	600
C2012CB-8N2M	8.2±20%	50	200	4700	0.120	600
C2012CB-12NG	12±2%	45	200	4000	0.150	600
C2012CB-12NJ	12±5%	45	200	4000	0.150	600
C2012CB-15NG	15±2%	45	200	3400	0.170	600
C2012CB-15NJ	15±5%	45	200	3400	0.170	600
C2012CB-18NG	18±2%	45	200	3300	0.210	600
C2012CB-18NJ	18±5%	45	200	3300	0.210	600
C2012CB-22NG	22±2%	45	200	2600	0.220	500
C2012CB-22NJ	22±5%	45	200	2600	0.220	500
C2012CB-27NG	27±2%	45	200	2500	0.250	500
C2012CB-27NJ	27±5%	45	200	2500	0.250	500
C2012CB-33NG	33±2%	40	200	2050	0.270	500
C2012CB-33NJ	33±5%	40	200	2050	0.270	500
C2012CB-39NG	39±2%	40	200	2000	0.290	500
C2012CB-39NJ	39±5%	40	200	2000	0.290	500
C2012CB-47NG	47±2%	40	200	1650	0.310	500
C2012CB-47NJ	47±5%	40	200	1650	0.310	500
C2012CB-56NG	56±2%	40	150	1550	0.340	500
C2012CB-56NJ	56±5%	40	150	1550	0.340	500
C2012CB-68NG	68±2%	40	150	1450	0.380	500
C2012CB-68NJ	68±5%	40	150	1450	0.380	500
C2012CB-82NG	82±2%	40	150	1300	0.420	400
C2012CB-82NJ	82±5%	40	150	1300	0.420	400
C2012CB-R10G	100±2%	40	150	1200	0.460	400
C2012CB-R10J	100±5%	40	150	1200	0.460	400
C2012CB-R12G	120±2%	35	100	1100	0.510	400
C2012CB-R12J	120±5%	35	100	1100	0.510	400
C2012CB-R15G	150±2%	35	100	920	0.560	400
C2012CB-R15J	150±5%	35	100	920	0.560	400
C2012CB-R18G	180±2%	35	100	870	0.640	400
C2012CB-R18J	180±5%	35	100	870	0.640	400
C2012CB-R22G	220±2%	30	100	850	0.700	400
C2012CB-R22J	220±5%	30	100	850	0.700	400
C2012CB-R27G	270±2%	28	100	650	1.10	350
C2012CB-R27J	270±5%	28	100	650	1.10	350
C2012CB-R33G	330±2%	25	100	600	1.50	310
C2012CB-R33J	330±5%	25	100	600	1.50	310
C2012CB-R39G	390±2%	23	100	560	1.60	290
C2012CB-R39J	390±5%	23	100	560	1.60	290
C2012CB-R47J	470±5%	23	25.2	375	1.80	250
C2012CB-R56J	560±5%	23	25.2	400	2.70	170
C2012CB-R68J	680±5%	23	25.2	188	2.20	190
C2012CB-R82J	820±5%	23	25.2	215	2.40	180
C2012CB-1R0J	1000±5%	25	25.2	300	3.50	140

■ Frequency characteristic graph