C2012H

AEC-Q200

■ Features

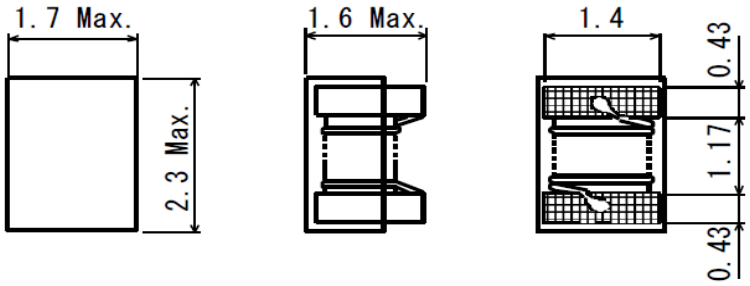
- Small chip inductor for low inductance
- As self resonance frequency is high, can be used in the high frequency range.
- Because winding is done directly onto the core, high Q is available.
- Operating temperature：-40℃～+125℃(The self-heating is included)
- C2012H has realized higher Q (+20%) than C2012C
- AEC-Q200 compliant(except for terminal strength)
- Operating temperature：-40°C～+125°C(The self-heating is included)

Weight： 0.012 g

■ Applications

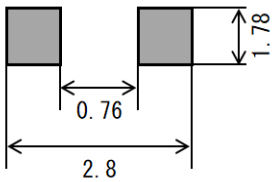
- Audio Visual/Portable Audio,TV and Monitor,Mini System, AV Amplifier, for Professionals
- Automotive/Car Audio,Car Tuner,Antenna
- Computer & Peripheral Device/Smartphone & Tablet,Wireless Router
- Home Electronics/Games
- Others/Energy,Transceivers,FA

■ Dimensions



(Unit：mm)

■ Recommended Land Pattern



(Unit：mm)

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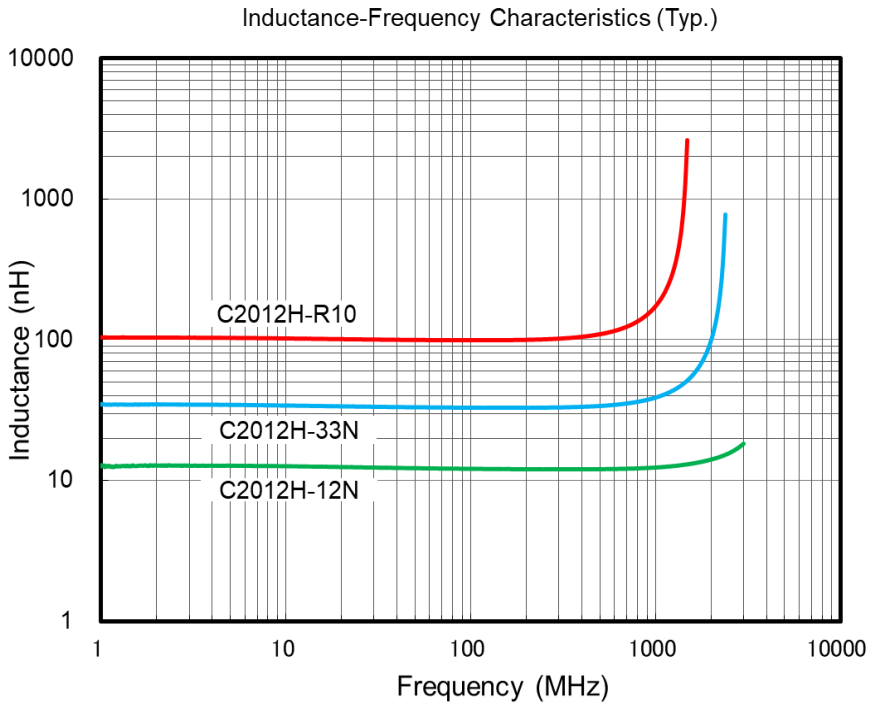
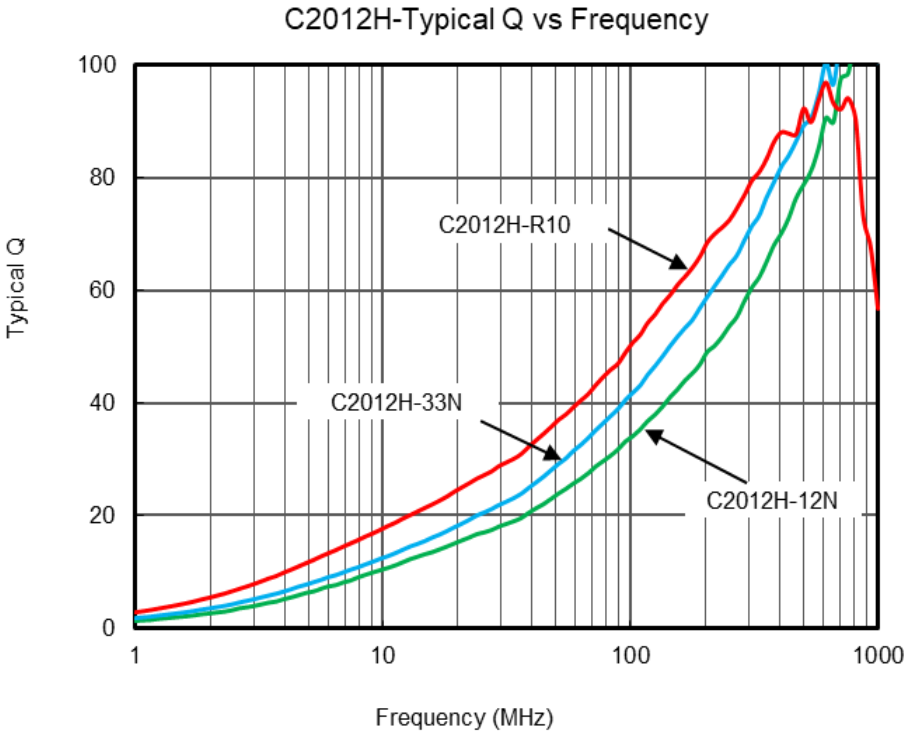
■ Specifications

SAGAMI Part No.	Inductance (nH)	Q min.	Test Frequency (MHz)	Self-Resonant Frequency (SRF) (MHz)	DCR max. (Ω)	Temperature Rise Allowable Current (mA)
C2012H-2N7D	2.7±0.5nH	50	1000	6000	0.040	1500
C2012H-5N6D	5.6±0.5nH	60	1000	6000	0.040	1200
C2012H-6N8D	6.8±0.5nH	60	1000	4800	0.040	1200
C2012H-10NH	10±3%	60	500	4500	0.040	1000
C2012H-12NH	12±3%	60	500	3400	0.040	1000
C2012H-15NH	15±3%	60	250	2400	0.040	900
C2012H-18NH	18±3%	60	250	2800	0.040	800
C2012H-22NH	22±3%	60	250	2300	0.040	850
C2012H-24NH	24±3%	60	250	2000	0.040	850
C2012H-27NH	27±3%	60	250	2300	0.040	800
C2012H-33NH	33±3%	60	250	2000	0.040	800
C2012H-39NH	39±3%	60	250	2000	0.040	750
C2012H-43NH	43±3%	60	250	1700	0.040	750
C2012H-47NH	47±3%	60	250	1400	0.040	750
C2012H-56NH	56±3%	60	250	1600	0.040	700
C2012H-68NH	68±3%	60	250	1450	0.040	550
C2012H-82NH	82±3%	60	250	1350	0.040	500
C2012H-91NH	91±3%	60	250	1200	0.040	500
C2012H-R10H	100±3%	50	250	1200	0.040	500
C2012H-R11H	110±3%	50	250	1000	0.040	500
C2012H-R12H	120±3%	50	250	1000	0.040	500
C2012H-R15H	150±3%	50	250	900	0.040	450

Temperature rise allowable current:The rise in temperature of core surface is within 20℃

■ Frequency characteristic graph





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