C1608H

AEC-Q200

■ Features

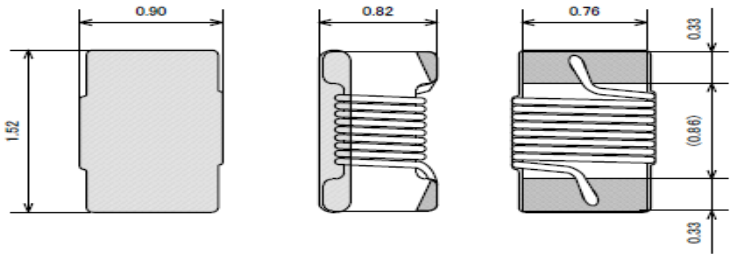
- Small chip inductor for low inductance
- As self resonance frequency is high, can be used in the high frequency range
- Because winding is done directly onto the core, high Q is available.
- C1608H has realized higher・Q(+10%) and lower resistance(-20～-30%) than C1608CB
- AEC-Q200 compliant(except for terminal strength)
- Operating temperature：-40°C～+125°C(The self-heating is included)

Weight： 0.0033 g

■ Applications

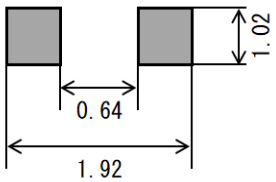
- Audio Visual/Portable Audio,TV and Monitor,Mini System, AV Amplifier, for Professionals
- Automotive/Car Audio,Car Tuner,Antenna
- Computer & Peripheral Device/Smartphone & Tablet,Wireless Router
- Home Electronics/Games
- Others/Energy,Transceivers,FA

■ 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)
C1608H-2N7K	2.7±10%	23	250	6000	0.0450	1400
C1608H-3N6J	3.6±5%	26	250	6000	0.0450	1350
C1608H-3N6K	3.6±10%	26	250	6000	0.0450	1350
C1608H-3N9J	3.9±5%	26	250	6000	0.0570	1300
C1608H-3N9K	3.9±10%	26	250	6000	0.0570	1300
C1608H-5N6J	5.6±5%	31	250	6000	0.0680	1250
C1608H-5N6K	5.6±10%	31	250	6000	0.0680	1250
C1608H-6N8J	6.8±5%	33	250	6000	0.0680	1200
C1608H-6N8K	6.8±10%	33	250	6000	0.0680	1200
C1608H-8N2J	8.2±5%	33	250	6000	0.0880	1100
C1608H-8N2K	8.2±10%	33	250	6000	0.0880	1100
C1608H-9N1J	9.1±5%	34	250	6000	0.0880	1100
C1608H-9N1K	9.1±10%	34	250	6000	0.0880	1100
C1608H-10NG	10±2%	37	250	6000	0.0880	1100
C1608H-10NJ	10±5%	37	250	6000	0.0880	1100
C1608H-12NG	12±2%	38	250	6000	0.110	950
C1608H-12NJ	12±5%	38	250	6000	0.110	950
C1608H-15NG	15±2%	40	250	4000	0.110	950
C1608H-15NJ	15±5%	40	250	4000	0.110	950
C1608H-18NG	18±2%	42	250	4000	0.130	850
C1608H-18NJ	18±5%	42	250	4000	0.130	850
C1608H-22NG	22±2%	42	250	3700	0.140	800
C1608H-22NJ	22±5%	42	250	3700	0.140	800
C1608H-27NG	27±2%	42	250	3500	0.160	750
C1608H-27NJ	27±5%	42	250	3500	0.160	750
C1608H-33NG	33±2%	41	250	2700	0.180	700
C1608H-33NJ	33±5%	41	250	2700	0.180	700
C1608H-39NG	39±2%	40	250	2400	0.210	700
C1608H-39NJ	39±5%	40	250	2400	0.210	700
C1608H-47NG	47±2%	39	200	2400	0.230	700
C1608H-47NJ	47±5%	39	200	2400	0.230	700

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

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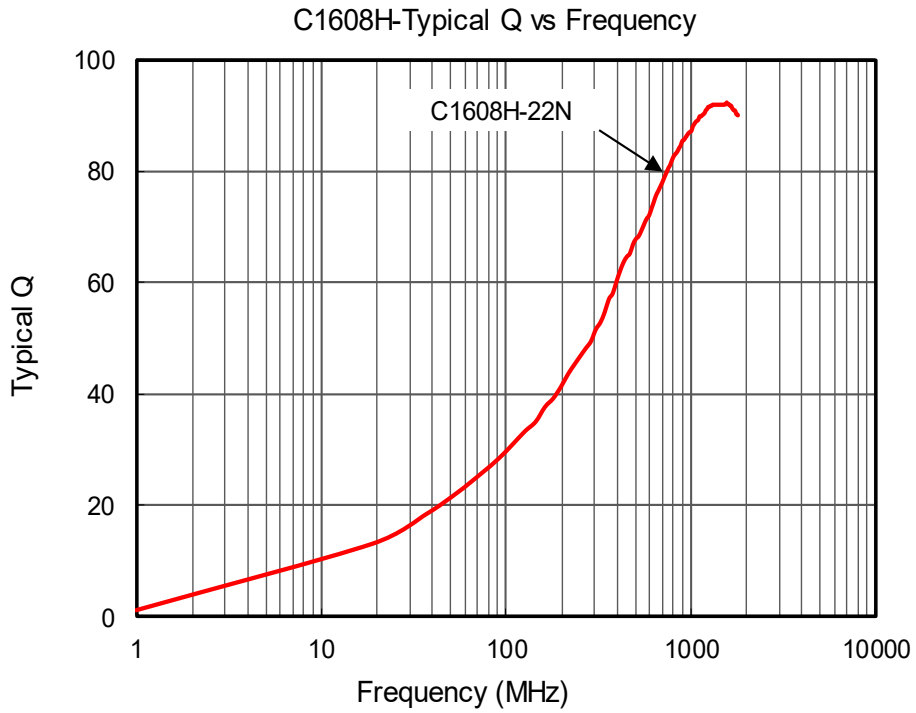
■ Frequency characteristic graph



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