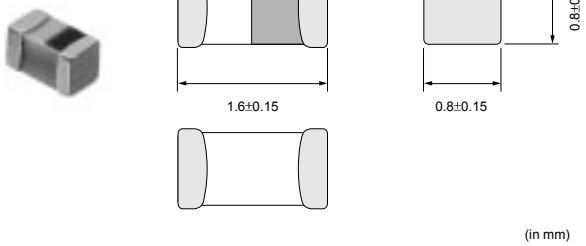
LQG18H Series

The LQG18H series is designed to realize stable characteristics in high frequency range applying integrated multilayer process.



(in mm)

■ Features

1. High-Q, stable inductance in high frequency is available due to the original structure that minimizes stray capacitance. It is suitable for the high frequency circuits of small, handy equipment, especially for card size equipment.
2. Small size of LQG18H (1.6x0.8x0.8mm) is suitable for small, handy equipment, especially for card size equipment.
3. The external electrodes with nickel barrier structure provide excellent solder heat resistance.

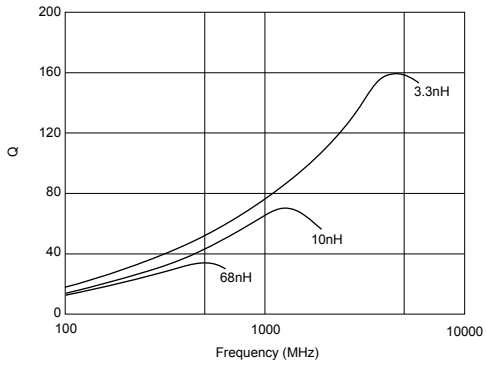
■ Applications

1. High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
2. Mobile phones such as GSM, CDMA, PDC, etc.
3. "Bluetooth"
4. W-LAN
5. High frequency circuits in general

Part Number	Inductance (nH)	Test Frequency (MHz)	Rated Current (mA)	DC Resistance (ohm)	Q (min.)	Test Frequency (MHz)	Self Resonance Frequency (MHz)	EIA
LQG18HN1N2S00	1.2 ±0.3nH	100	300	0.10 max.	12	100	6000 min.	0603
LQG18HN1N5S00	1.5 ±0.3nH	100	300	0.10 max.	12	100	6000 min.	0603
LQG18HN1N8S00	1.8 ±0.3nH	100	300	0.10 max.	12	100	6000 min.	0603
LQG18HN2N2S00	2.2 ±0.3nH	100	300	0.10 max.	12	100	6000 min.	0603
LQG18HN2N7S00	2.7 ±0.3nH	100	300	0.15 max.	12	100	6000 min.	0603
LQG18HN3N3S00	3.3 ±0.3nH	100	300	0.15 max.	12	100	6000 min.	0603
LQG18HN3N9S00	3.9 ±0.3nH	100	300	0.15 max.	12	100	6000 min.	0603
LQG18HN4N7S00	4.7 ±0.3nH	100	300	0.20 max.	12	100	6000 min.	0603
LQG18HN5N6S00	5.6 ±0.3nH	100	300	0.20 max.	12	100	5000 min.	0603
LQG18HN6N8J00	6.8 ±5%	100	300	0.25 max.	12	100	5000 min.	0603
LQG18HN8N2J00	8.2 ±5%	100	300	0.25 max.	12	100	4000 min.	0603
LQG18HN10NJ00	10 ±5%	100	300	0.30 max.	12	100	3500 min.	0603
LQG18HN12NJ00	12 ±5%	100	300	0.35 max.	12	100	3000 min.	0603
LQG18HN15NJ00	15 ±5%	100	300	0.40 max.	12	100	2800 min.	0603
LQG18HN18NJ00	18 ±5%	100	300	0.45 max.	12	100	2600 min.	0603
LQG18HN22NJ00	22 ±5%	100	300	0.50 max.	12	100	2300 min.	0603
LQG18HN27NJ00	27 ±5%	100	300	0.55 max.	12	100	2000 min.	0603
LQG18HN33NJ00	33 ±5%	100	300	0.60 max.	12	100	1700 min.	0603
LQG18HN39NJ00	39 ±5%	100	300	0.65 max.	12	100	1500 min.	0603
LQG18HN47NJ00	47 ±5%	100	300	0.70 max.	12	100	1200 min.	0603
LQG18HN56NJ00	56 ±5%	100	300	0.75 max.	12	100	1100 min.	0603
LQG18HN68NJ00	68 ±5%	100	300	0.80 max.	12	100	1000 min.	0603
LQG18HN82NJ00	82 ±5%	100	300	0.85 max.	12	100	900 min.	0603
LQG18HNR10J00	100 ±5%	100	300	0.90 max.	12	100	800 min.	0603

Operating Temp. Range : -40°C to +85°C

■ Q-Frequency Characteristics



■ Inductance-Frequency Characteristics