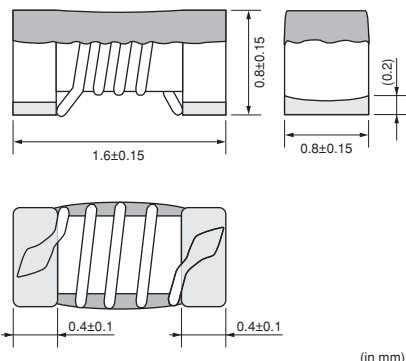


Chip Inductor (Chip Coil) Power Inductor (Wire Wound Type for Choke)

LQW18C Series (0603 Size)

■ Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
B	Bulk(Bag)	500

■ Rated Value (□: packaging code)

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC Resistance	Self Resonance Frequency (min.)
LQW18CN4N9D00□	4.9nH ±0.5nH	10MHz	2600mA	0.015ohm	2300MHz
LQW18CN15NJ00□	15nH ±5%	10MHz	2200mA	0.025ohm	2000MHz
LQW18CN33NJ00□	33nH ±5%	10MHz	1700mA	0.035ohm	1800MHz
LQW18CN55NJ00□	55nH ±5%	10MHz	1500mA	0.045ohm	1600MHz
LQW18CN85NJ00□	85nH ±5%	10MHz	1400mA	0.060ohm	1380MHz
LQW18CNR10K00□	100nH ±10%	10MHz	1000mA	0.10ohm	1260MHz
LQW18CNR12J00□	120nH ±5%	10MHz	1100mA	0.085ohm	1200MHz
LQW18CNR16J00□	160nH ±5%	10MHz	1000mA	0.10ohm	900MHz
LQW18CNR21J00□	210nH ±5%	10MHz	800mA	0.15ohm	720MHz
LQW18CNR27J00□	270nH ±5%	10MHz	750mA	0.16ohm	660MHz
LQW18CNR33J00□	330nH ±5%	10MHz	630mA	0.25ohm	600MHz
LQW18CNR39J00□	390nH ±5%	10MHz	620mA	0.28ohm	570MHz
LQW18CNR47J00□	470nH ±5%	10MHz	500mA	0.45ohm	555MHz
LQW18CNR56J00□	560nH ±5%	10MHz	450mA	0.48ohm	540MHz
LQW18CNR65J00□	650nH ±5%	10MHz	430mA	0.52ohm	510MHz

Class of Magnetic Shield: No magnetic shield

Operating Temperature Range (Self-temperature rise is not included): -40 to +85°C

Only for reflow soldering.

Continued on the following page.

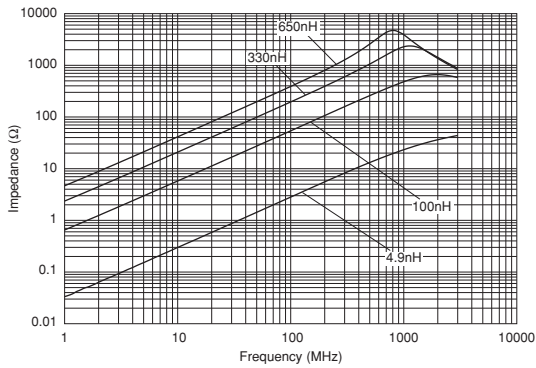
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

⚠ Note:

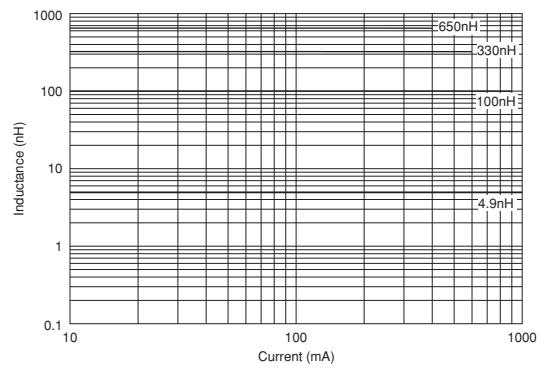
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

 Continued from the preceding page.

■ Impedance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ ⚠ Caution/Notice

⚠ Caution (Rating)

Do not use products beyond the rated current as this may create excessive heat.

Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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⚠ Note:

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