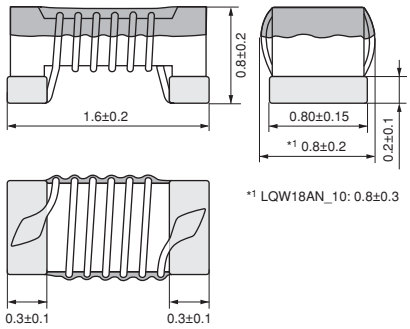
Chip Inductor (Chip Coil) for High Frequency Horizontal Wire Wound

LQW18A_10 Series (High Q/Low DC Resistance Type) (0603 Size)

■ Dimensions



*1 LQW18AN_10: 0.8±0.3

(in mm)

■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000
B	Bulk(Bag)	500

■ Rated Value (□: packaging code)

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQW18AN2N2D10□	2.2nH ±0.5nH	100MHz	1400mA	0.018ohm	25	250MHz	18000MHz
LQW18AN3N9C10□	3.9nH ±0.2nH	100MHz	1000mA	0.032ohm	38	250MHz	11000MHz
LQW18AN3N9D10□	3.9nH ±0.5nH	100MHz	1000mA	0.032ohm	38	250MHz	11000MHz
LQW18AN5N6D10□	5.6nH ±0.5nH	100MHz	900mA	0.045ohm	38	250MHz	10000MHz
LQW18AN6N8C10□	6.8nH ±0.2nH	100MHz	900mA	0.045ohm	38	250MHz	7000MHz
LQW18AN6N8D10□	6.8nH ±0.5nH	100MHz	900mA	0.045ohm	38	250MHz	7000MHz
LQW18AN8N2D10□	8.2nH ±0.5nH	100MHz	800mA	0.058ohm	38	250MHz	7000MHz
LQW18AN10NG10□	10nH ±2%	100MHz	800mA	0.058ohm	38	250MHz	5000MHz
LQW18AN10NJ10□	10nH ±5%	100MHz	800mA	0.058ohm	38	250MHz	5000MHz
LQW18AN12NG10□	12nH ±2%	100MHz	750mA	0.071ohm	38	250MHz	5000MHz
LQW18AN12NJ10□	12nH ±5%	100MHz	750mA	0.071ohm	38	250MHz	5000MHz
LQW18AN15NJ10□	15nH ±5%	100MHz	700mA	0.085ohm	42	250MHz	4500MHz
LQW18AN18NG10□	18nH ±2%	100MHz	700mA	0.085ohm	42	250MHz	3500MHz
LQW18AN18NJ10□	18nH ±5%	100MHz	700mA	0.085ohm	42	250MHz	3500MHz
LQW18AN22NG10□	22nH ±2%	100MHz	640mA	0.099ohm	42	250MHz	3200MHz
LQW18AN22NJ10□	22nH ±5%	100MHz	640mA	0.099ohm	42	250MHz	3200MHz
LQW18AN27NG10□	27nH ±2%	100MHz	590mA	0.116ohm	42	250MHz	2800MHz
LQW18AN27NJ10□	27nH ±5%	100MHz	590mA	0.116ohm	42	250MHz	2800MHz
LQW18AN33NJ10□	33nH ±5%	100MHz	550mA	0.132ohm	42	250MHz	2500MHz

Operating Temperature Range (Self-temperature rise is not included): -55 to +125°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:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. 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.

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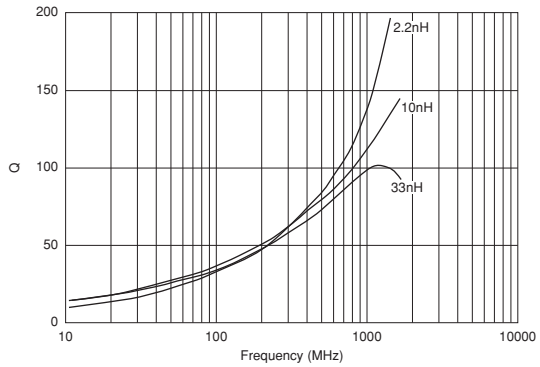
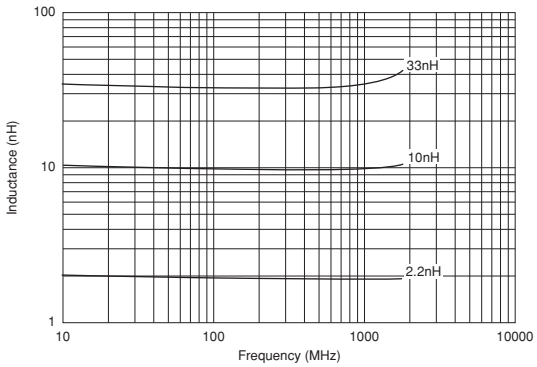
Continued from the preceding page.

■ Q-Frequency Characteristics (Typ.)



■ Inductance-Frequency 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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