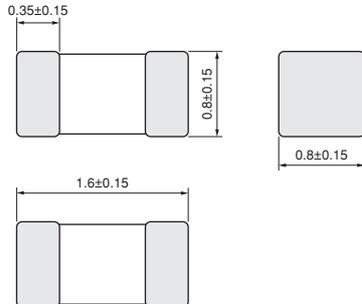


LQM18NN_00 Series 0603/1608 (inch/mm)



■ Dimensions



(in mm)

■ Packaging

Code	Packaging	Minimum Quantity
D	ø180mm Paper Taping	4000
J	ø330mm Paper Taping	10000
B	Packing in Bulk	1000

■ Rated Value (□: packaging code)

Part Number	Inductance	Inductance Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Q Test Frequency	Self-Resonance Frequency (min.)
LQM18NN47NM00□	47nH ±20%	50MHz	50mA	0.30Ω	10	50MHz	260MHz
LQM18NN68NM00□	68nH ±20%	50MHz	50mA	0.30Ω	10	50MHz	250MHz
LQM18NN82NM00□	82nH ±20%	50MHz	50mA	0.30Ω	10	50MHz	245MHz
LQM18NNR10K00□	100nH ±10%	25MHz	50mA	0.50Ω	15	25MHz	240MHz
LQM18NNR12K00□	120nH ±10%	25MHz	50mA	0.50Ω	15	25MHz	205MHz
LQM18NNR15K00□	150nH ±10%	25MHz	50mA	0.60Ω	15	25MHz	180MHz
LQM18NNR18K00□	180nH ±10%	25MHz	50mA	0.60Ω	15	25MHz	165MHz
LQM18NNR22K00□	220nH ±10%	25MHz	50mA	0.80Ω	15	25MHz	150MHz
LQM18NNR27K00□	270nH ±10%	25MHz	50mA	0.80Ω	15	25MHz	136MHz
LQM18NNR33K00□	330nH ±10%	25MHz	35mA	0.85Ω	15	25MHz	125MHz
LQM18NNR39K00□	390nH ±10%	25MHz	35mA	1.00Ω	15	25MHz	110MHz
LQM18NNR47K00□	470nH ±10%	25MHz	35mA	1.35Ω	15	25MHz	105MHz
LQM18NNR56K00□	560nH ±10%	25MHz	35mA	1.55Ω	15	25MHz	95MHz
LQM18NNR68K00□	680nH ±10%	25MHz	35mA	1.70Ω	15	25MHz	90MHz
LQM18NNR82K00□	820nH ±10%	25MHz	35mA	2.10Ω	15	25MHz	85MHz
LQM18NN1R0K00□	1000nH ±10%	10MHz	25mA	0.60Ω	35	10MHz	75MHz
LQM18NN1R2K00□	1200nH ±10%	10MHz	25mA	0.80Ω	35	10MHz	65MHz
LQM18NN1R5K00□	1500nH ±10%	10MHz	25mA	0.80Ω	35	10MHz	60MHz
LQM18NN1R8K00□	1800nH ±10%	10MHz	25mA	0.95Ω	35	10MHz	55MHz
LQM18NN2R2K00□	2200nH ±10%	10MHz	15mA	1.15Ω	35	10MHz	50MHz

Class of Magnetic Shield: Magnetic shield of ferrite

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

Continued on the following page.

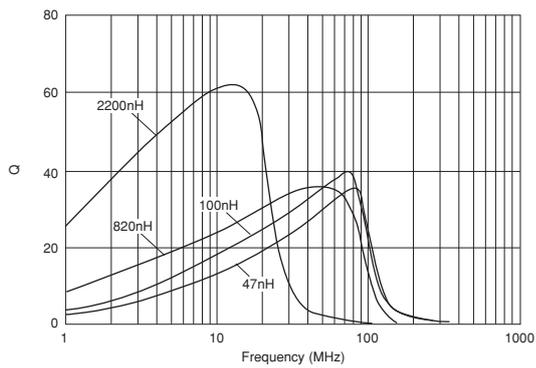
● This data sheet is applied for INDUCTORS (COILS) used for General Electronics equipment for your design.

⚠ Note:

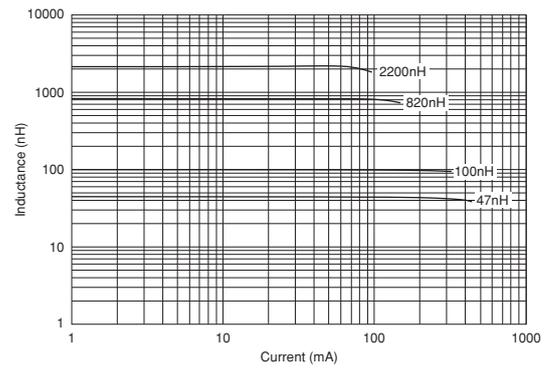
- This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- This datasheet has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

■ Q-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.

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

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