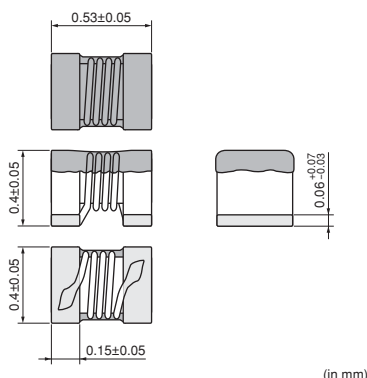


LQW03AW_00 Series



■ Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
D	ø180mm Paper taping	10000

■ Rated Value (□: packaging code)

Part Number	Inductance	Inductance test frequency	Rated current	DC resistance	Q (min.)	Q test frequency	Self resonance frequency (min.)
LQW03AW5N4C00□	5.4nH ±0.2nH	100MHz	420mA	0.17±20%	46 (Typ.)	900MHz	8.5GHz
LQW03AW5N4J00□	5.4nH ±5%	100MHz	420mA	0.17±20%	46 (Typ.)	900MHz	8.5GHz
LQW03AW5N6C00□	5.6nH ±0.2nH	100MHz	330mA	0.27±20%	37 (Typ.)	900MHz	8.3GHz
LQW03AW5N6J00□	5.6nH ±5%	100MHz	330mA	0.27±20%	37 (Typ.)	900MHz	8.3GHz
LQW03AW5N8C00□	5.8nH ±0.2nH	100MHz	460mA	0.13±20%	47 (Typ.)	900MHz	8.8GHz
LQW03AW5N8J00□	5.8nH ±5%	100MHz	460mA	0.13±20%	47 (Typ.)	900MHz	8.8GHz
LQW03AW6N8C00□	6.8nH ±0.2nH	100MHz	460mA	0.15±20%	42 (Typ.)	900MHz	7.7GHz
LQW03AW6N8J00□	6.8nH ±5%	100MHz	460mA	0.15±20%	42 (Typ.)	900MHz	7.7GHz
LQW03AW7N5C00□	7.5nH ±0.2nH	100MHz	400mA	0.2±20%	41 (Typ.)	900MHz	7.5GHz
LQW03AW7N5J00□	7.5nH ±5%	100MHz	400mA	0.2±20%	41 (Typ.)	900MHz	7.5GHz
LQW03AW8N7C00□	8.7nH ±0.2nH	100MHz	290mA	0.35±20%	39 (Typ.)	900MHz	7.5GHz
LQW03AW8N7J00□	8.7nH ±5%	100MHz	290mA	0.35±20%	39 (Typ.)	900MHz	7.5GHz
LQW03AW9N1C00□	9.1nH ±0.2nH	100MHz	460mA	0.18±20%	46 (Typ.)	900MHz	6.4GHz
LQW03AW9N1J00□	9.1nH ±5%	100MHz	460mA	0.18±20%	46 (Typ.)	900MHz	6.4GHz
LQW03AW13NJ00□	13nH ±5%	100MHz	280mA	0.45±20%	39 (Typ.)	900MHz	5.9GHz

Operating temperature range (Self-temperature rise is included): -55~125°C

Only for reflow soldering.

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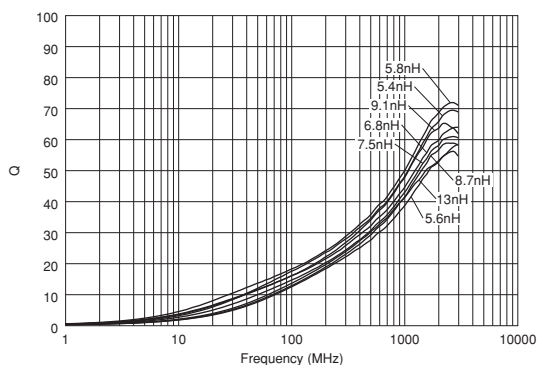
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

⚠ Note:

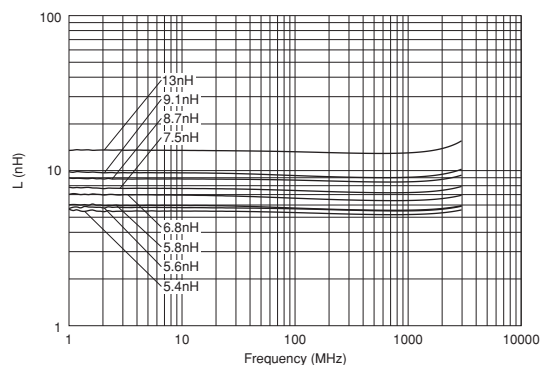
1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet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

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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