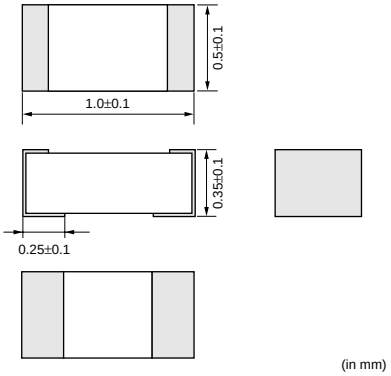
Chip Inductor (Chip Coil) for High Frequency Film Type

LQP15M Series (0402 Size)

■ Dimensions



(in mm)

■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	10000
J	330mm Paper Tape	50000
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.)
LQP15MN1N0B02☐	1.0nH±0.1nH	500MHz	400mA	0.1ohm	13	500MHz	6000MHz
LQP15MN1N0W02☐	1.0nH±0.05nH	500MHz	400mA	0.1ohm	13	500MHz	6000MHz
LQP15MN1N1B02☐	1.1nH±0.1nH	500MHz	390mA	0.1ohm	13	500MHz	6000MHz
LQP15MN1N1W02☐	1.1nH±0.05nH	500MHz	390mA	0.1ohm	13	500MHz	6000MHz
LQP15MN1N2B02☐	1.2nH±0.1nH	500MHz	390mA	0.1ohm	13	500MHz	6000MHz
LQP15MN1N2W02☐	1.2nH±0.05nH	500MHz	390mA	0.1ohm	13	500MHz	6000MHz
LQP15MN1N3B02☐	1.3nH±0.1nH	500MHz	280mA	0.2ohm	13	500MHz	6000MHz
LQP15MN1N3W02☐	1.3nH±0.05nH	500MHz	280mA	0.2ohm	13	500MHz	6000MHz
LQP15MN1N4W02☐	1.4nH±0.05nH	500MHz	280mA	0.2ohm	13	500MHz	6000MHz
LQP15MN1N5B02☐	1.5nH±0.1nH	500MHz	280mA	0.2ohm	13	500MHz	6000MHz
LQP15MN1N5W02☐	1.5nH±0.05nH	500MHz	280mA	0.2ohm	13	500MHz	6000MHz
LQP15MN1N6B02☐	1.6nH±0.1nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN1N6W02☐	1.6nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN1N7W02☐	1.7nH±0.05nH	500MHz	280mA	0.2ohm	13	500MHz	6000MHz
LQP15MN1N8B02☐	1.8nH±0.1nH	500MHz	280mA	0.2ohm	13	500MHz	6000MHz
LQP15MN1N8W02☐	1.8nH±0.05nH	500MHz	280mA	0.2ohm	13	500MHz	6000MHz
LQP15MN1N9W02☐	1.9nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N0B02☐	2.0nH±0.1nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N0W02☐	2.0nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N1W02☐	2.1nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N2B02☐	2.2nH±0.1nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N2W02☐	2.2nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N3W02☐	2.3nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz

Operating Temperature Range: -40°C 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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Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQP15MN2N4B02□	2.4nH±0.1nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N4W02□	2.4nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N5W02□	2.5nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N6W02□	2.6nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N7B02□	2.7nH±0.1nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N7W02□	2.7nH±0.05nH	500MHz	220mA	0.3ohm	13	500MHz	6000MHz
LQP15MN2N8W02□	2.8nH±0.05nH	500MHz	190mA	0.4ohm	13	500MHz	6000MHz
LQP15MN2N9W02□	2.9nH±0.05nH	500MHz	190mA	0.4ohm	13	500MHz	6000MHz
LQP15MN3N0B02□	3.0nH±0.1nH	500MHz	190mA	0.4ohm	13	500MHz	6000MHz
LQP15MN3N0W02□	3.0nH±0.05nH	500MHz	190mA	0.4ohm	13	500MHz	6000MHz
LQP15MN3N1W02□	3.1nH±0.05nH	500MHz	190mA	0.4ohm	13	500MHz	6000MHz
LQP15MN3N2W02□	3.2nH±0.05nH	500MHz	190mA	0.4ohm	13	500MHz	6000MHz
LQP15MN3N3B02□	3.3nH±0.1nH	500MHz	190mA	0.4ohm	13	500MHz	6000MHz
LQP15MN3N3W02□	3.3nH±0.05nH	500MHz	190mA	0.4ohm	13	500MHz	6000MHz
LQP15MN3N4W02□	3.4nH±0.05nH	500MHz	170mA	0.5ohm	13	500MHz	6000MHz
LQP15MN3N5W02□	3.5nH±0.05nH	500MHz	170mA	0.5ohm	13	500MHz	6000MHz
LQP15MN3N6B02□	3.6nH±0.1nH	500MHz	170mA	0.5ohm	13	500MHz	6000MHz
LQP15MN3N6W02□	3.6nH±0.05nH	500MHz	170mA	0.5ohm	13	500MHz	6000MHz
LQP15MN3N7W02□	3.7nH±0.05nH	500MHz	170mA	0.5ohm	13	500MHz	6000MHz
LQP15MN3N8W02□	3.8nH±0.05nH	500MHz	170mA	0.5ohm	13	500MHz	6000MHz
LQP15MN3N9B02□	3.9nH±0.1nH	500MHz	170mA	0.5ohm	13	500MHz	6000MHz
LQP15MN3N9W02□	3.9nH±0.05nH	500MHz	170mA	0.5ohm	13	500MHz	6000MHz
LQP15MN4N3B02□	4.3nH±0.1nH	500MHz	160mA	0.6ohm	13	500MHz	6000MHz
LQP15MN4N7B02□	4.7nH±0.1nH	500MHz	160mA	0.6ohm	13	500MHz	6000MHz
LQP15MN5N1B02□	5.1nH±0.1nH	500MHz	140mA	0.7ohm	13	500MHz	6000MHz
LQP15MN5N6B02□	5.6nH±0.1nH	500MHz	140mA	0.7ohm	13	500MHz	6000MHz
LQP15MN6N2B02□	6.2nH±0.1nH	500MHz	130mA	0.9ohm	13	500MHz	6000MHz
LQP15MN6N8B02□	6.8nH±0.1nH	500MHz	130mA	0.9ohm	13	500MHz	6000MHz
LQP15MN7N5B02□	7.5nH±0.1nH	500MHz	110mA	1.1ohm	13	500MHz	5500MHz
LQP15MN8N2B02□	8.2nH±0.1nH	500MHz	110mA	1.1ohm	13	500MHz	5500MHz
LQP15MN9N1B02□	9.1nH±0.1nH	500MHz	100mA	1.3ohm	13	500MHz	4500MHz
LQP15MN10NG02□	10nH±2%	500MHz	100mA	1.3ohm	13	500MHz	4500MHz
LQP15MN12NG02□	12nH±2%	500MHz	90mA	1.6ohm	13	500MHz	3700MHz
LQP15MN15NG02□	15nH±2%	500MHz	90mA	1.8ohm	13	500MHz	3300MHz
LQP15MN18NG02□	18nH±2%	500MHz	80mA	2.0ohm	13	500MHz	3100MHz
LQP15MN22NG02□	22nH±2%	500MHz	70mA	2.6ohm	13	500MHz	2800MHz
LQP15MN27NG02□	27nH±2%	500MHz	70mA	3.1ohm	13	500MHz	2500MHz
LQP15MN33NG02□	33nH±2%	500MHz	60mA	3.8ohm	13	500MHz	2100MHz

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

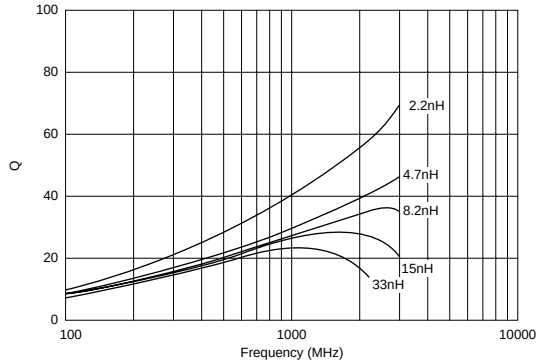
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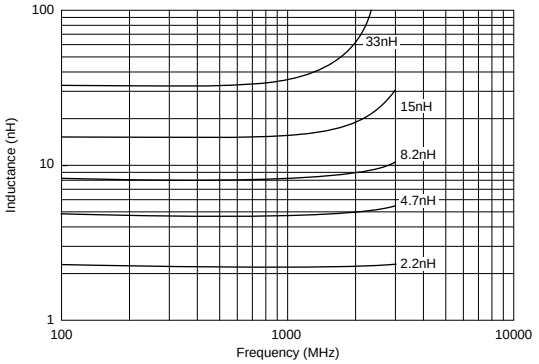
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■ Q-Frequency Characteristics (Typ.)



■ 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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