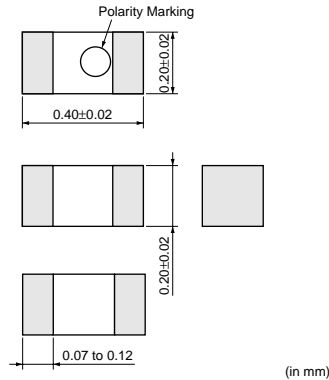


# Chip Inductor (Chip Coil) for High Frequency Film Type

## LQP02T Series (01005 Size)

### ■ Dimensions



### ■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	20000
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.)
LQP02TN0N4S02□	0.4nH±0.3nH	500MHz	320mA	0.60ohm	8	500MHz	6000MHz
LQP02TN0N5S02□	0.5nH±0.3nH	500MHz	320mA	0.60ohm	8	500MHz	6000MHz
LQP02TN0N6S02□	0.6nH±0.3nH	500MHz	320mA	0.60ohm	8	500MHz	6000MHz
LQP02TN0N7S02□	0.7nH±0.3nH	500MHz	320mA	0.60ohm	8	500MHz	6000MHz
LQP02TN0N8S02□	0.8nH±0.3nH	500MHz	320mA	0.60ohm	8	500MHz	6000MHz
LQP02TN0N9S02□	0.9nH±0.3nH	500MHz	320mA	0.60ohm	8	500MHz	6000MHz
LQP02TN1N0S02□	1.0nH±0.3nH	500MHz	220mA	0.90ohm	8	500MHz	6000MHz
LQP02TN1N1S02□	1.1nH±0.3nH	500MHz	220mA	0.90ohm	8	500MHz	6000MHz
LQP02TN1N2S02□	1.2nH±0.3nH	500MHz	220mA	0.90ohm	8	500MHz	6000MHz
LQP02TN1N3S02□	1.3nH±0.3nH	500MHz	220mA	0.90ohm	8	500MHz	6000MHz
LQP02TN1N5S02□	1.5nH±0.3nH	500MHz	220mA	0.90ohm	8	500MHz	6000MHz
LQP02TN1N6S02□	1.6nH±0.3nH	500MHz	220mA	0.90ohm	8	500MHz	6000MHz
LQP02TN1N8S02□	1.8nH±0.3nH	500MHz	200mA	1.35ohm	8	500MHz	6000MHz
LQP02TN2N0S02□	2.0nH±0.3nH	500MHz	200mA	1.35ohm	8	500MHz	6000MHz
LQP02TN2N2S02□	2.2nH±0.3nH	500MHz	200mA	1.35ohm	8	500MHz	6000MHz
LQP02TN2N4S02□	2.4nH±0.3nH	500MHz	200mA	1.35ohm	8	500MHz	6000MHz
LQP02TN2N7S02□	2.7nH±0.3nH	500MHz	200mA	1.35ohm	8	500MHz	6000MHz
LQP02TN3N0S02□	3.0nH±0.3nH	500MHz	200mA	1.35ohm	8	500MHz	6000MHz
LQP02TN3N3S02□	3.3nH±0.3nH	500MHz	180mA	1.65ohm	8	500MHz	6000MHz
LQP02TN3N6S02□	3.6nH±0.3nH	500MHz	180mA	1.65ohm	8	500MHz	6000MHz
LQP02TN3N9S02□	3.9nH±0.3nH	500MHz	180mA	1.65ohm	8	500MHz	6000MHz
LQP02TN4N3S02□	4.3nH±0.3nH	500MHz	180mA	1.65ohm	8	500MHz	6000MHz
LQP02TN4N7S02□	4.7nH±0.3nH	500MHz	160mA	2.10ohm	8	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:

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.

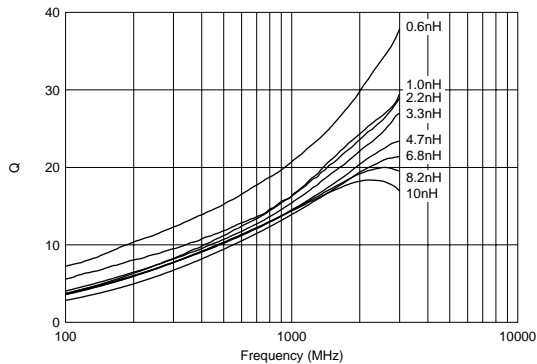
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Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQP02TN5N1S02□	5.1nH±0.3nH	500MHz	160mA	2.10ohm	8	500MHz	6000MHz
LQP02TN5N6S02□	5.6nH±0.3nH	500MHz	140mA	2.40ohm	8	500MHz	6000MHz
LQP02TN6N2J02□	6.2nH±5%	500MHz	140mA	2.40ohm	8	500MHz	5500MHz
LQP02TN6N8J02□	6.8nH±5%	500MHz	140mA	2.85ohm	8	500MHz	5500MHz
LQP02TN7N5J02□	7.5nH±5%	500MHz	140mA	2.85ohm	8	500MHz	4500MHz
LQP02TN8N2J02□	8.2nH±5%	500MHz	140mA	3.15ohm	8	500MHz	5000MHz
LQP02TN9N1J02□	9.1nH±5%	500MHz	140mA	3.15ohm	8	500MHz	4000MHz
LQP02TN10N1J02□	10nH±5%	500MHz	140mA	3.60ohm	8	500MHz	4000MHz
LQP02TN12N1J02□	12nH±5%	500MHz	140mA	3.90ohm	7	500MHz	3500MHz
LQP02TN15N1J02□	15nH±5%	500MHz	140mA	4.35ohm	7	500MHz	3000MHz
LQP02TN18N1J02□	18nH±5%	500MHz	140mA	4.80ohm	7	500MHz	2500MHz

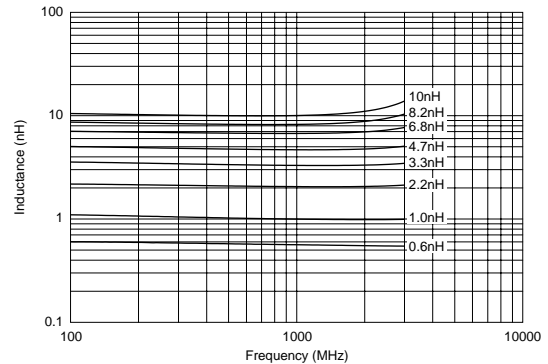
Operating Temperature Range: -40°C to +85°C

Only for reflow soldering.

### ■ 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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