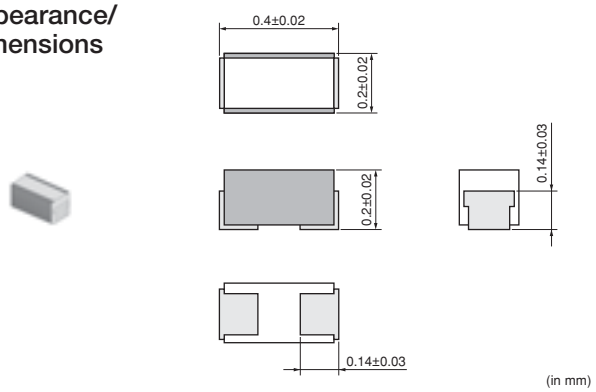
Film Type (Non-Magnetic Core)

LQP02TQ_02 Series 01005/0402 (inch/mm)

Size Code 01005 (0402) in inch (in mm), Largest Q

■ Appearance/ Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
D	ø180mm Paper Taping	20000
B	Packing in Bulk	500

Thickness 0.22mm max. / E-24 Step / Hi Q / Tight Tolerance / Reflow OK

Refer to pages 227 to 230 for mounting information.

■ 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.)	
LQP02TQ0N4B02□	0.4nH ±0.1nH	500MHz	990mA	0.1Ω	10	500MHz	16600MHz	New
LQP02TQ0N4C02□	0.4nH ±0.2nH	500MHz	990mA	0.1Ω	10	500MHz	16600MHz	New
LQP02TQ0N5B02□	0.5nH ±0.1nH	500MHz	730mA	0.1Ω	10	500MHz	16600MHz	New
LQP02TQ0N5C02□	0.5nH ±0.2nH	500MHz	730mA	0.1Ω	10	500MHz	16600MHz	New
LQP02TQ0N6B02□	0.6nH ±0.1nH	500MHz	730mA	0.1Ω	10	500MHz	16600MHz	New
LQP02TQ0N6C02□	0.6nH ±0.2nH	500MHz	730mA	0.1Ω	10	500MHz	16600MHz	New
LQP02TQ0N7B02□	0.7nH ±0.1nH	500MHz	630mA	0.15Ω	10	500MHz	16600MHz	New
LQP02TQ0N7C02□	0.7nH ±0.2nH	500MHz	630mA	0.15Ω	10	500MHz	16600MHz	New
LQP02TQ0N8B02□	0.8nH ±0.1nH	500MHz	630mA	0.15Ω	10	500MHz	16600MHz	New
LQP02TQ0N8C02□	0.8nH ±0.2nH	500MHz	630mA	0.15Ω	10	500MHz	16600MHz	New
LQP02TQ0N9B02□	0.9nH ±0.1nH	500MHz	580mA	0.15Ω	10	500MHz	16600MHz	New
LQP02TQ0N9C02□	0.9nH ±0.2nH	500MHz	580mA	0.15Ω	10	500MHz	16600MHz	New
LQP02TQ1N0B02□	1.0nH ±0.1nH	500MHz	580mA	0.15Ω	10	500MHz	16600MHz	New
LQP02TQ1N0C02□	1.0nH ±0.2nH	500MHz	580mA	0.15Ω	10	500MHz	16600MHz	New
LQP02TQ1N1B02□	1.1nH ±0.1nH	500MHz	570mA	0.2Ω	10	500MHz	16600MHz	New
LQP02TQ1N1C02□	1.1nH ±0.2nH	500MHz	570mA	0.2Ω	10	500MHz	16600MHz	New
LQP02TQ1N2B02□	1.2nH ±0.1nH	500MHz	550mA	0.2Ω	10	500MHz	16600MHz	New
LQP02TQ1N2C02□	1.2nH ±0.2nH	500MHz	550mA	0.2Ω	10	500MHz	16600MHz	New
LQP02TQ1N3B02□	1.3nH ±0.1nH	500MHz	400mA	0.2Ω	10	500MHz	15000MHz	New
LQP02TQ1N3C02□	1.3nH ±0.2nH	500MHz	400mA	0.2Ω	10	500MHz	15000MHz	New
LQP02TQ1N5B02□	1.5nH ±0.1nH	500MHz	400mA	0.2Ω	10	500MHz	15000MHz	New
LQP02TQ1N5C02□	1.5nH ±0.2nH	500MHz	400mA	0.2Ω	10	500MHz	15000MHz	New
LQP02TQ1N6B02□	1.6nH ±0.1nH	500MHz	390mA	0.3Ω	10	500MHz	15000MHz	New
LQP02TQ1N6C02□	1.6nH ±0.2nH	500MHz	390mA	0.3Ω	10	500MHz	15000MHz	New
LQP02TQ1N8B02□	1.8nH ±0.1nH	500MHz	380mA	0.3Ω	10	500MHz	15000MHz	New
LQP02TQ1N8C02□	1.8nH ±0.2nH	500MHz	380mA	0.3Ω	10	500MHz	15000MHz	New
LQP02TQ2N0B02□	2.0nH ±0.1nH	500MHz	380mA	0.3Ω	10	500MHz	13000MHz	New
LQP02TQ2N0C02□	2.0nH ±0.2nH	500MHz	380mA	0.3Ω	10	500MHz	13000MHz	New
LQP02TQ2N2B02□	2.2nH ±0.1nH	500MHz	380mA	0.3Ω	10	500MHz	13000MHz	New
LQP02TQ2N2C02□	2.2nH ±0.2nH	500MHz	380mA	0.3Ω	10	500MHz	13000MHz	New
LQP02TQ2N4B02□	2.4nH ±0.1nH	500MHz	370mA	0.4Ω	10	500MHz	13000MHz	New
LQP02TQ2N4C02□	2.4nH ±0.2nH	500MHz	370mA	0.4Ω	10	500MHz	13000MHz	New

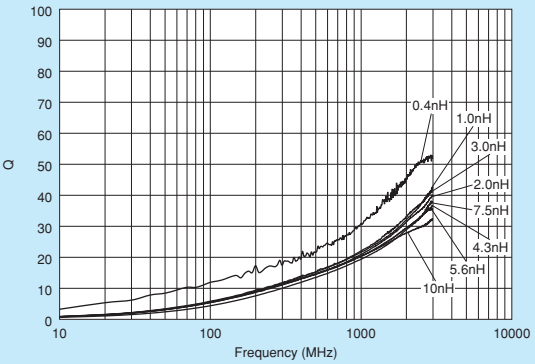
Operating Temperature Range (Self-temperature rise is not included): -55℃～+125℃
For reflow soldering only.

Continued on the following page.

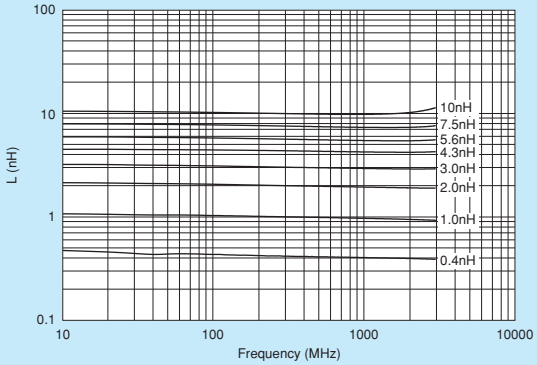
Part Number	Inductance	Inductance Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Q Test Frequency	Self-Resonance Frequency (min.)	
LQP02TQ2N7B02□	2.7nH ±0.1nH	500MHz	370mA	0.4Ω	10	500MHz	11500MHz	New
LQP02TQ2N7C02□	2.7nH ±0.2nH	500MHz	370mA	0.4Ω	10	500MHz	11500MHz	New
LQP02TQ3N0B02□	3.0nH ±0.1nH	500MHz	360mA	0.45Ω	10	500MHz	10000MHz	New
LQP02TQ3N0C02□	3.0nH ±0.2nH	500MHz	360mA	0.45Ω	10	500MHz	10000MHz	New
LQP02TQ3N3B02□	3.3nH ±0.1nH	500MHz	290mA	0.9Ω	10	500MHz	10000MHz	New
LQP02TQ3N3C02□	3.3nH ±0.2nH	500MHz	290mA	0.9Ω	10	500MHz	10000MHz	New
LQP02TQ3N6B02□	3.6nH ±0.1nH	500MHz	280mA	1Ω	10	500MHz	9700MHz	New
LQP02TQ3N6C02□	3.6nH ±0.2nH	500MHz	280mA	1Ω	10	500MHz	9700MHz	New
LQP02TQ3N9B02□	3.9nH ±0.1nH	500MHz	270mA	1Ω	10	500MHz	9000MHz	New
LQP02TQ3N9C02□	3.9nH ±0.2nH	500MHz	270mA	1Ω	10	500MHz	9000MHz	New
LQP02TQ4N3H02□	4.3nH ±3%	500MHz	270mA	1Ω	10	500MHz	9000MHz	New
LQP02TQ4N3J02□	4.3nH ±5%	500MHz	270mA	1Ω	10	500MHz	9000MHz	New
LQP02TQ4N7H02□	4.7nH ±3%	500MHz	270mA	1Ω	10	500MHz	8500MHz	New
LQP02TQ4N7J02□	4.7nH ±5%	500MHz	270mA	1Ω	10	500MHz	8500MHz	New
LQP02TQ5N1H02□	5.1nH ±3%	500MHz	250mA	1.2Ω	10	500MHz	7800MHz	New
LQP02TQ5N1J02□	5.1nH ±5%	500MHz	250mA	1.2Ω	10	500MHz	7800MHz	New
LQP02TQ5N6H02□	5.6nH ±3%	500MHz	230mA	1.3Ω	10	500MHz	7800MHz	New
LQP02TQ5N6J02□	5.6nH ±5%	500MHz	230mA	1.3Ω	10	500MHz	7800MHz	New
LQP02TQ6N2H02□	6.2nH ±3%	500MHz	220mA	1.3Ω	10	500MHz	7200MHz	New
LQP02TQ6N2J02□	6.2nH ±5%	500MHz	220mA	1.3Ω	10	500MHz	7200MHz	New
LQP02TQ6N8H02□	6.8nH ±3%	500MHz	210mA	1.4Ω	10	500MHz	6600MHz	New
LQP02TQ6N8J02□	6.8nH ±5%	500MHz	210mA	1.4Ω	10	500MHz	6600MHz	New
LQP02TQ7N5H02□	7.5nH ±3%	500MHz	200mA	1.5Ω	10	500MHz	6600MHz	New
LQP02TQ7N5J02□	7.5nH ±5%	500MHz	200mA	1.5Ω	10	500MHz	6600MHz	New
LQP02TQ8N2H02□	8.2nH ±3%	500MHz	190mA	1.6Ω	10	500MHz	6600MHz	New
LQP02TQ8N2J02□	8.2nH ±5%	500MHz	190mA	1.6Ω	10	500MHz	6600MHz	New
LQP02TQ9N1H02□	9.1nH ±3%	500MHz	170mA	1.7Ω	10	500MHz	5900MHz	New
LQP02TQ9N1J02□	9.1nH ±5%	500MHz	170mA	1.7Ω	10	500MHz	5900MHz	New
LQP02TQ10NH02□	10nH ±3%	500MHz	170mA	1.7Ω	10	500MHz	5500MHz	New
LQP02TQ10NJ02□	10nH ±5%	500MHz	170mA	1.7Ω	10	500MHz	5500MHz	New

Operating Temperature Range (Self-temperature rise is not included): -55℃～+125℃
For reflow soldering only.

■ Q-Frequency Characteristics (Typ.)



■ Inductance-Frequency Characteristics (Typ.)



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■ Reference Data

4991A+16196D

Part Number	Q (Typ.)				
	800MHz	900MHz	1.8GHz	2.0GHz	2.4GHz
LQP02TQ0N4	27	28	43	45	50
LQP02TQ0N5	18	20	32	34	39
LQP02TQ0N6	19	21	36	38	43
LQP02TQ0N7	19	21	35	37	42
LQP02TQ0N8	20	21	32	34	38
LQP02TQ0N9	19	20	33	34	38
LQP02TQ1N0	19	20	31	32	37
LQP02TQ1N1	19	21	31	32	36
LQP02TQ1N2	20	21	31	32	37
LQP02TQ1N3	18	19	29	30	34
LQP02TQ1N5	18	19	29	30	34
LQP02TQ1N6	18	19	29	31	36
LQP02TQ1N8	18	20	29	30	35
LQP02TQ2N0	18	20	29	31	34
LQP02TQ2N2	20	21	31	33	38
LQP02TQ2N4	20	21	31	33	38
LQP02TQ2N7	19	20	30	32	37
LQP02TQ3N0	19	20	30	32	36
LQP02TQ3N3	17	18	27	29	33
LQP02TQ3N6	17	18	27	29	32
LQP02TQ3N9	17	18	26	28	31
LQP02TQ4N3	17	18	27	29	32
LQP02TQ4N7	18	19	28	29	32
LQP02TQ5N1	18	19	27	29	32
LQP02TQ5N6	18	19	28	29	32
LQP02TQ6N2	18	19	27	29	31
LQP02TQ6N8	18	19	27	28	30
LQP02TQ7N5	18	19	28	29	32
LQP02TQ8N2	19	20	28	30	32
LQP02TQ9N1	18	19	27	28	30
LQP02TQ10N	18	19	27	28	29