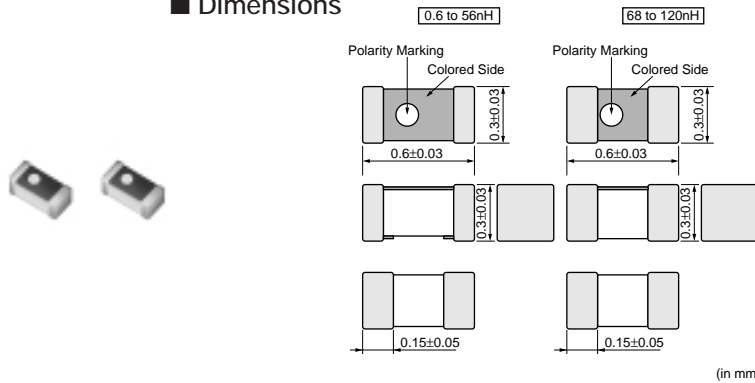




0201 Size, High Q, Wide Variation

■ Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	15000
J	330mm Paper Tape	50000
B	Bulk(Bag)	500

Refer to pages from p.167 to p.170 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)	
LQP03TN0N6B02□	0.6nH±0.1nH	500MHz	850mA	0.07ohm	14	500MHz	6000MHz	Kit
LQP03TN0N6C02□	0.6nH±0.2nH	500MHz	850mA	0.07ohm	14	500MHz	6000MHz	
LQP03TN0N7B02□	0.7nH±0.1nH	500MHz	800mA	0.08ohm	14	500MHz	6000MHz	Kit
LQP03TN0N7C02□	0.7nH±0.2nH	500MHz	800mA	0.08ohm	14	500MHz	6000MHz	
LQP03TN0N8B02□	0.8nH±0.1nH	500MHz	800mA	0.08ohm	14	500MHz	6000MHz	Kit
LQP03TN0N8C02□	0.8nH±0.2nH	500MHz	800mA	0.08ohm	14	500MHz	6000MHz	
LQP03TN0N9B02□	0.9nH±0.1nH	500MHz	750mA	0.10ohm	14	500MHz	6000MHz	Kit
LQP03TN0N9C02□	0.9nH±0.2nH	500MHz	750mA	0.10ohm	14	500MHz	6000MHz	
LQP03TN1N0B02□	1.0nH±0.1nH	500MHz	750mA	0.10ohm	14	500MHz	6000MHz	Kit
LQP03TN1N0C02□	1.0nH±0.2nH	500MHz	750mA	0.10ohm	14	500MHz	6000MHz	
LQP03TN1N1B02□	1.1nH±0.1nH	500MHz	750mA	0.10ohm	14	500MHz	6000MHz	Kit
LQP03TN1N1C02□	1.1nH±0.2nH	500MHz	750mA	0.10ohm	14	500MHz	6000MHz	
LQP03TN1N2B02□	1.2nH±0.1nH	500MHz	750mA	0.10ohm	14	500MHz	6000MHz	Kit
LQP03TN1N2C02□	1.2nH±0.2nH	500MHz	750mA	0.10ohm	14	500MHz	6000MHz	
LQP03TN1N3B02□	1.3nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN1N3C02□	1.3nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	
LQP03TN1N4B02□	1.4nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN1N4C02□	1.4nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	
LQP03TN1N5B02□	1.5nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN1N5C02□	1.5nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	
LQP03TN1N6B02□	1.6nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN1N6C02□	1.6nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	
LQP03TN1N7B02□	1.7nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN1N7C02□	1.7nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	
LQP03TN1N8B02□	1.8nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN1N8C02□	1.8nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	
LQP03TN1N9B02□	1.9nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN1N9C02□	1.9nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	
LQP03TN2N0B02□	2.0nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN2N0C02□	2.0nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	

Operating Temperature Range: -55°C to +125°C
Only for reflow soldering.

Continued on the following page.

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Inductor for Power Lines (Power Inductor)

Inductor for Low Frequency Circuits

RF Inductor
Film Non-Magnetic Type

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)	
LQP03TN2N1B02□	2.1nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN2N1C02□	2.1nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	
LQP03TN2N2B02□	2.2nH±0.1nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	Kit
LQP03TN2N2C02□	2.2nH±0.2nH	500MHz	600mA	0.15ohm	14	500MHz	6000MHz	
LQP03TN2N3B02□	2.3nH±0.1nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	Kit
LQP03TN2N3C02□	2.3nH±0.2nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	
LQP03TN2N4B02□	2.4nH±0.1nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	Kit
LQP03TN2N4C02□	2.4nH±0.2nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	
LQP03TN2N5B02□	2.5nH±0.1nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	Kit
LQP03TN2N5C02□	2.5nH±0.2nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	
LQP03TN2N6B02□	2.6nH±0.1nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	Kit
LQP03TN2N6C02□	2.6nH±0.2nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	
LQP03TN2N7B02□	2.7nH±0.1nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	Kit
LQP03TN2N7C02□	2.7nH±0.2nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	
LQP03TN2N8B02□	2.8nH±0.1nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	Kit
LQP03TN2N8C02□	2.8nH±0.2nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	
LQP03TN2N9B02□	2.9nH±0.1nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	Kit
LQP03TN2N9C02□	2.9nH±0.2nH	500MHz	500mA	0.20ohm	14	500MHz	6000MHz	
LQP03TN3N0B02□	3.0nH±0.1nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	Kit
LQP03TN3N0C02□	3.0nH±0.2nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	
LQP03TN3N1B02□	3.1nH±0.1nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	Kit
LQP03TN3N1C02□	3.1nH±0.2nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	
LQP03TN3N2B02□	3.2nH±0.1nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	Kit
LQP03TN3N2C02□	3.2nH±0.2nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	
LQP03TN3N3B02□	3.3nH±0.1nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	Kit
LQP03TN3N3C02□	3.3nH±0.2nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	
LQP03TN3N4B02□	3.4nH±0.1nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	Kit
LQP03TN3N4C02□	3.4nH±0.2nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	
LQP03TN3N5B02□	3.5nH±0.1nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	Kit
LQP03TN3N5C02□	3.5nH±0.2nH	500MHz	450mA	0.25ohm	14	500MHz	6000MHz	
LQP03TN3N6B02□	3.6nH±0.1nH	500MHz	400mA	0.30ohm	14	500MHz	6000MHz	Kit
LQP03TN3N6C02□	3.6nH±0.2nH	500MHz	400mA	0.30ohm	14	500MHz	6000MHz	
LQP03TN3N7B02□	3.7nH±0.1nH	500MHz	400mA	0.30ohm	14	500MHz	6000MHz	Kit
LQP03TN3N7C02□	3.7nH±0.2nH	500MHz	400mA	0.30ohm	14	500MHz	6000MHz	
LQP03TN3N8B02□	3.8nH±0.1nH	500MHz	400mA	0.30ohm	14	500MHz	6000MHz	Kit
LQP03TN3N8C02□	3.8nH±0.2nH	500MHz	400mA	0.30ohm	14	500MHz	6000MHz	
LQP03TN3N9B02□	3.9nH±0.1nH	500MHz	400mA	0.30ohm	14	500MHz	5700MHz	Kit
LQP03TN3N9C02□	3.9nH±0.2nH	500MHz	400mA	0.30ohm	14	500MHz	5700MHz	
LQP03TN4N3H02□	4.3nH±3%	500MHz	350mA	0.40ohm	14	500MHz	5300MHz	Kit
LQP03TN4N3J02□	4.3nH±5%	500MHz	350mA	0.40ohm	14	500MHz	5300MHz	
LQP03TN4N7H02□	4.7nH±3%	500MHz	350mA	0.40ohm	14	500MHz	4400MHz	Kit
LQP03TN4N7J02□	4.7nH±5%	500MHz	350mA	0.40ohm	14	500MHz	4400MHz	
LQP03TN5N1H02□	5.1nH±3%	500MHz	350mA	0.40ohm	14	500MHz	4200MHz	Kit
LQP03TN5N1J02□	5.1nH±5%	500MHz	350mA	0.40ohm	14	500MHz	4200MHz	

Operating Temperature Range: -55°C to +125°C
Only for reflow soldering.

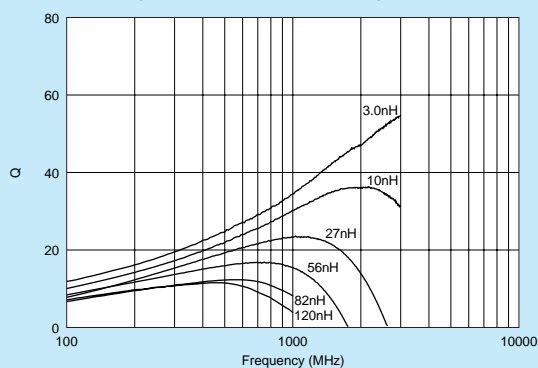
Continued on the following page. 

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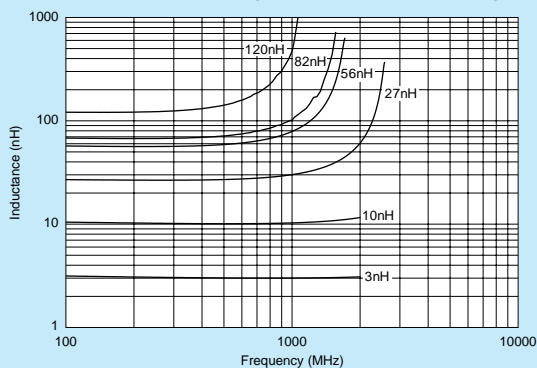
Part Number	Inductance	Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)	
LQP03TN5N6H02□	5.6nH±3%	500MHz	350mA	0.40ohm	14	500MHz	4000MHz	Kit
LQP03TN5N6J02□	5.6nH±5%	500MHz	350mA	0.40ohm	14	500MHz	4000MHz	
LQP03TN6N2H02□	6.2nH±3%	500MHz	300mA	0.60ohm	14	500MHz	4000MHz	Kit
LQP03TN6N2J02□	6.2nH±5%	500MHz	300mA	0.60ohm	14	500MHz	4000MHz	
LQP03TN6N8H02□	6.8nH±3%	500MHz	300mA	0.60ohm	14	500MHz	3900MHz	Kit
LQP03TN6N8J02□	6.8nH±5%	500MHz	300mA	0.60ohm	14	500MHz	3900MHz	
LQP03TN7N5H02□	7.5nH±3%	500MHz	300mA	0.60ohm	14	500MHz	3700MHz	Kit
LQP03TN7N5J02□	7.5nH±5%	500MHz	300mA	0.60ohm	14	500MHz	3700MHz	
LQP03TN8N2H02□	8.2nH±3%	500MHz	250mA	0.70ohm	14	500MHz	3600MHz	Kit
LQP03TN8N2J02□	8.2nH±5%	500MHz	250mA	0.70ohm	14	500MHz	3600MHz	
LQP03TN9N1H02□	9.1nH±3%	500MHz	250mA	0.70ohm	14	500MHz	3300MHz	Kit
LQP03TN9N1J02□	9.1nH±5%	500MHz	250mA	0.70ohm	14	500MHz	3300MHz	
LQP03TN10NH02□	10nH±3%	500MHz	250mA	0.70ohm	14	500MHz	3200MHz	Kit
LQP03TN10NJ02□	10nH±5%	500MHz	250mA	0.70ohm	14	500MHz	3200MHz	
LQP03TN12NH02□	12nH±3%	500MHz	250mA	0.70ohm	12	500MHz	2900MHz	Kit
LQP03TN12NJ02□	12nH±5%	500MHz	250mA	0.70ohm	12	500MHz	2900MHz	
LQP03TN15NH02□	15nH±3%	500MHz	250mA	0.70ohm	12	500MHz	2600MHz	Kit
LQP03TN15NJ02□	15nH±5%	500MHz	250mA	0.70ohm	12	500MHz	2600MHz	
LQP03TN18NH02□	18nH±3%	500MHz	200mA	0.80ohm	12	500MHz	2200MHz	Kit
LQP03TN18NJ02□	18nH±5%	500MHz	200mA	0.80ohm	12	500MHz	2200MHz	
LQP03TN22NH02□	22nH±3%	500MHz	150mA	1.90ohm	12	500MHz	2200MHz	Kit
LQP03TN22NJ02□	22nH±5%	500MHz	150mA	1.90ohm	12	500MHz	2200MHz	
LQP03TN27NH02□	27nH±3%	500MHz	140mA	2.30ohm	12	500MHz	2000MHz	Kit
LQP03TN27NJ02□	27nH±5%	500MHz	140mA	2.30ohm	12	500MHz	2000MHz	
LQP03TN33NJ02□	33nH±5%	300MHz	120mA	2.95ohm	9	300MHz	1700MHz	Kit
LQP03TN39NJ02□	39nH±5%	300MHz	120mA	3.00ohm	9	300MHz	1500MHz	Kit
LQP03TN47NJ02□	47nH±5%	300MHz	100mA	3.60ohm	9	300MHz	1300MHz	Kit
LQP03TN56NJ02□	56nH±5%	300MHz	100mA	3.90ohm	9	300MHz	1200MHz	Kit
LQP03TN68NJ02□	68nH±5%	300MHz	50mA	8.00ohm	8	300MHz	1100MHz	Kit
LQP03TN82NJ02□	82nH±5%	300MHz	50mA	10.0ohm	8	300MHz	1000MHz	Kit
LQP03TNR10J02□	100nH±5%	300MHz	40mA	10.0ohm	8	300MHz	900MHz	Kit
LQP03TNR12J02□	120nH±5%	300MHz	40mA	12.0ohm	8	300MHz	800MHz	Kit

Operating Temperature Range: -55°C to +125°C
Only for reflow soldering.

■ Q-Frequency Characteristics (Typ.)



■ Inductance-Frequency Characteristics (Typ.)



Continued on the following page.

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Reference Data

Part Number	Inductance (nH) (Typ.)					Q (Typ.)				
	800MHz	900MHz	1.8GHz	2.0GHz	2.4GHz	800MHz	900MHz	1.8GHz	2.0GHz	2.4GHz
LQP03TN0N6□02	0.7	0.7	0.7	0.7	0.7	35 min	42 min	62 min	65 min	71 min
LQP03TN0N7□02	0.8	0.8	0.8	0.8	0.8	35 min	42 min	62 min	65 min	71 min
LQP03TN0N8□02	0.9	0.9	0.9	0.9	0.9	35 min	42 min	62 min	65 min	71 min
LQP03TN0N9□02	0.9	0.9	0.9	0.9	0.9	35 min	42 min	62 min	65 min	71 min
LQP03TN1N0□02	1.0	1.0	1.0	1.0	1.0	35 min	42 min	62 min	65 min	71 min
LQP03TN1N1□02	1.1	1.1	1.1	1.1	1.1	35 min	42 min	62 min	65 min	71 min
LQP03TN1N2□02	1.2	1.2	1.2	1.2	1.2	35	42	62	65	71
LQP03TN1N3□02	1.3	1.3	1.3	1.3	1.3	35	42	62	64	71
LQP03TN1N4□02	1.4	1.4	1.4	1.4	1.4	34	36	52	55	60
LQP03TN1N5□02	1.5	1.5	1.5	1.5	1.5	34	36	55	58	63
LQP03TN1N6□02	1.5	1.5	1.6	1.6	1.6	32	34	50	52	57
LQP03TN1N7□02	1.7	1.7	1.7	1.7	1.7	33	34	48	50	54
LQP03TN1N8□02	1.8	1.8	1.8	1.8	1.8	32	34	50	53	57
LQP03TN1N9□02	1.9	1.9	1.9	1.9	1.9	32	34	49	51	56
LQP03TN2N0□02	2.0	2.0	2.0	2.0	2.0	32	34	49	51	55
LQP03TN2N1□02	2.1	2.1	2.1	2.1	2.2	31	33	48	49	53
LQP03TN2N2□02	2.2	2.2	2.2	2.2	2.2	31	33	48	50	54
LQP03TN2N3□02	2.3	2.3	2.3	2.3	2.4	31	33	48	50	54
LQP03TN2N4□02	2.4	2.4	2.4	2.4	2.5	31	33	47	49	53
LQP03TN2N5□02	2.5	2.5	2.5	2.5	2.6	31	33	48	49	53
LQP03TN2N6□02	2.6	2.6	2.7	2.7	2.7	31	33	48	49	53
LQP03TN2N7□02	2.6	2.6	2.7	2.7	2.7	30	31	45	46	50
LQP03TN2N8□02	2.8	2.8	2.9	2.9	3.0	31	32	47	49	52
LQP03TN2N9□02	2.9	2.9	3.0	3.0	3.1	31	32	48	49	52
LQP03TN3N0□02	3.0	3.0	3.1	3.1	3.1	31	33	46	47	51
LQP03TN3N1□02	3.1	3.1	3.2	3.2	3.3	30	32	46	48	51
LQP03TN3N2□02	3.2	3.2	3.3	3.3	3.4	30	32	46	48	51
LQP03TN3N3□02	3.2	3.3	3.3	3.4	3.4	30	31	45	46	50
LQP03TN3N4□02	3.4	3.4	3.5	3.6	3.6	30	32	46	47	49
LQP03TN3N5□02	3.5	3.5	3.6	3.7	3.8	29	31	44	45	48
LQP03TN3N6□02	3.6	3.6	3.7	3.8	3.9	29	31	43	44	47
LQP03TN3N7□02	3.7	3.7	3.9	3.9	4.0	28	29	41	42	44
LQP03TN3N8□02	3.8	3.8	4.0	4.0	4.2	28	30	42	43	44
LQP03TN3N9□02	3.9	3.9	4.0	4.1	4.2	28	30	42	42	44
LQP03TN4N3□02	4.3	4.3	4.5	4.5	4.6	29	30	43	44	47
LQP03TN4N7□02	4.8	4.8	5.0	5.0	5.2	29	30	42	42	44
LQP03TN5N1□02	5.3	5.3	5.5	5.6	5.8	27	28	38	38	40
LQP03TN5N6□02	5.4	5.4	5.6	5.7	5.9	28	29	40	40	43
LQP03TN6N2□02	6.5	6.5	6.8	6.9	7.3	27	28	38	39	40
LQP03TN6N8□02	7.1	7.1	7.6	7.7	8.1	27	29	38	38	40
LQP03TN7N5□02	7.7	7.7	8.3	8.5	9.0	27	28	37	37	38
LQP03TN8N2□02	8.5	8.5	9.2	9.4	10.0	27	28	36	36	37
LQP03TN9N1□02	9.5	9.5	10.4	10.8	11.7	26	28	34	34	34
LQP03TN10N□02	10	10	12	12	13	26	28	34	34	33
LQP03TN12N□02	12	12	15	15	18	26	27	31	30	26
LQP03TN15N□02	15	16	20	23	30	23	24	23	21	15
LQP03TN18N□02	18	18	25	-	-	25	26	24	-	-
LQP03TN22N□02	23	23	33	-	-	23	24	21	-	-
LQP03TN27N□02	28	29	48	-	-	22	23	17	-	-
LQP03TN33N□02	37	38	-	-	-	22	22	-	-	-
LQP03TN39N□02	45	47	-	-	-	18	18	-	-	-
LQP03TN47N□02	56	59	-	-	-	18	18	-	-	-
LQP03TN56N□02	68	72	-	-	-	17	16	-	-	-

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Inductor for Power Lines (Power Inductor)

Inductor for Low Frequency Circuits

Film Non-Magnetic Type
RF Inductor