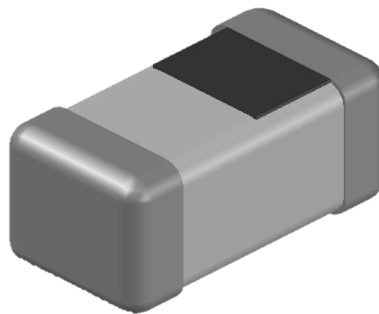


ABCO Chip Ceramic Inductor

LCMI060303-GQ for Signal Inductor Series



5448-4, Sangdaewon-dong, Jungwon-gu,
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LCMI060303-GQ Series



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■ Features

1. Particular ceramic material and coil structure provide high frequency application range up to 10GHz.
2. Small size and low profile.
3. Available in various sizes.
4. Excellent solderability and heat resistance.

■ Applications

RF and wireless communication, information technology equipment which includes computer, telecommunications, radar detectors, automotive electronics, cellular phones, pagers, audio equipment, PDAs, keyless remote system and low-voltage power supply modules.

■ Ordering Code

LCMI **060303** **P** - **7N5** **J** - **GQ**
① ② ③ ④ ⑤ ⑥

① Type	
LCMI	

② Dimensions(mm)	
060303 : 0.6(L) × 0.3(W) × 0.3(T)	

③ Packing	
P	Embossed Paper Tape

④ Inductance(nH)	
0N3	0.3
1N0	1.0
10N	10

⑤ Tolerance	
A	±0.1nH
B	±0.2nH
C	±0.3nH
H	±3%
J	±5%

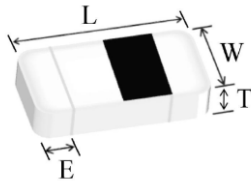
⑥ Internal Code
GQ

LCMI060303-GQ Series



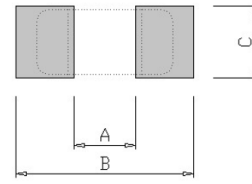
<http://www.abco.co.kr>

Shapes and Dimensions



Series	L(mm)	W(mm)	T(mm)	E(mm)
LCMI060303-GQ	0.60±0.03	0.30±0.03	0.30±0.03	0.10~0.20

Recommended PC Board Pattern



A(mm)	B(mm)	C(mm)
0.2~0.3	0.8~0.9	0.2~0.3

Electrical Characteristics

Part No.	Inductance		Q	Test Freq.	SRF	DCR Max.	Rated Current
	(nH)	Tolerance	(Min)	(MHz)	(MHz)Min	(Ω)	Max(mA)
LCMI060303P-0N3A,B-GQ	0.3	±0.1, 0.2nH	11	500	18,000	0.07	850
LCMI060303P-0N4A,B-GQ	0.4	±0.1, 0.2nH	11	500	18,000	0.07	850
LCMI060303P-0N5A,B-GQ	0.5	±0.1, 0.2nH	11	500	18,000	0.08	850
LCMI060303P-0N6A,B-GQ	0.6	±0.1, 0.2nH	11	500	18,000	0.08	850
LCMI060303P-0N7A,B-GQ	0.7	±0.1, 0.2nH	12	500	18,000	0.09	750
LCMI060303P-0N8A,B-GQ	0.8	±0.1, 0.2nH	12	500	18,000	0.10	750
LCMI060303P-0N9A,B-GQ	0.9	±0.1, 0.2nH	12	500	18,000	0.12	700
LCMI060303P-1N0A,B-GQ	1.0	±0.1, 0.2nH	12	500	17,000	0.14	600
LCMI060303P-1N1A,B-GQ	1.1	±0.1, 0.2nH	12	500	17,000	0.14	600
LCMI060303P-1N2A,B-GQ	1.2	±0.1, 0.2nH	12	500	15,000	0.14	600
LCMI060303P-1N3A,B-GQ	1.3	±0.1, 0.2nH	12	500	15,000	0.15	600
LCMI060303P-1N4A,B-GQ	1.4	±0.1, 0.2nH	12	500	14,000	0.15	600
LCMI060303P-1N5A,B-GQ	1.5	±0.1, 0.2nH	12	500	13,500	0.15	600
LCMI060303P-1N6A,B-GQ	1.6	±0.1, 0.2nH	12	500	13,000	0.15	600
LCMI060303P-1N7A,B-GQ	1.7	±0.1, 0.2nH	12	500	12,500	0.19	500
LCMI060303P-1N8A,B-GQ	1.8	±0.1, 0.2nH	12	500	12,500	0.20	500
LCMI060303P-1N9A,B-GQ	1.9	±0.1, 0.2nH	12	500	12,500	0.20	450
LCMI060303P-2N0A,B-GQ	2.0	±0.1, 0.2nH	12	500	12,500	0.20	450
LCMI060303P-2N1A,B-GQ	2.1	±0.1, 0.2nH	12	500	12,000	0.22	450
LCMI060303P-2N2A,B-GQ	2.2	±0.1, 0.2nH	12	500	12,000	0.22	450
LCMI060303P-2N3A,B-GQ	2.3	±0.1, 0.2nH	12	500	11,500	0.24	450
LCMI060303P-2N4A,B-GQ	2.4	±0.1, 0.2nH	12	500	11,000	0.25	450
LCMI060303P-2N5A,B-GQ	2.5	±0.1, 0.2nH	12	500	11,000	0.25	450
LCMI060303P-2N6A,B-GQ	2.6	±0.1, 0.2nH	12	500	11,000	0.25	450
LCMI060303P-2N7A,B-GQ	2.7	±0.1, 0.2nH	12	500	11,000	0.25	450
LCMI060303P-2N8A,B-GQ	2.8	±0.1, 0.2nH	12	500	9,500	0.25	450
LCMI060303P-2N9A,B-GQ	2.9	±0.1, 0.2nH	12	500	9,500	0.25	450
LCMI060303P-3N0A,B-GQ	3.0	±0.1, 0.2nH	12	500	9,500	0.25	450
LCMI060303P-3N1A,B-GQ	3.1	±0.1, 0.2nH	12	500	9,500	0.30	450

LCMI060303-GQ Series



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■ Electrical Characteristics

Part No.	Inductance		Q	Test Freq.	SRF	DCR Max.	Rated Current
	(nH)	Tolerance	(Min)	(MHz)	(MHz)Min	(Ω)	Max(mA)
LCMI060303P-3N2A,B-GQ	3.2	±0.1, 0.2nH	12	500	9,500	0.30	450
LCMI060303P-3N3A,B-GQ	3.3	±0.1, 0.2nH	12	500	9,500	0.30	400
LCMI060303P-3N4A,B-GQ	3.4	±0.1, 0.2nH	12	500	8,000	0.30	400
LCMI060303P-3N5A,B-GQ	3.5	±0.1, 0.2nH	12	500	8,000	0.30	400
LCMI060303P-3N6A,B-GQ	3.6	±0.1, 0.2nH	12	500	8,000	0.30	400
LCMI060303P-3N7A,B-GQ	3.7	±0.1, 0.2nH	12	500	7,000	0.30	400
LCMI060303P-3N8A,B-GQ	3.8	±0.1, 0.2nH	12	500	7,000	0.35	350
LCMI060303P-3N9A,B-GQ	3.9	±0.1, 0.2nH	12	500	6,500	0.35	350
LCMI060303P-4N3H,J-GQ	4.3	±3, 5%	12	500	6,500	0.40	350
LCMI060303P-4N7H,J-GQ	4.7	±3, 5%	12	500	6,500	0.40	350
LCMI060303P-5N1H,J-GQ	5.1	±3, 5%	12	500	6,500	0.40	350
LCMI060303P-5N6H,J-GQ	5.6	±3, 5%	12	500	6,000	0.44	300
LCMI060303P-6N2H,J-GQ	6.2	±3, 5%	12	500	6,000	0.50	300
LCMI060303P-6N8H,J-GQ	6.8	±3, 5%	12	500	5,400	0.53	300
LCMI060303P-7N5H,J-GQ	7.5	±3, 5%	12	500	4,800	0.55	250
LCMI060303P-8N2H,J-GQ	8.2	±3, 5%	12	500	4,800	0.62	250
LCMI060303P-9N1H,J-GQ	9.1	±3, 5%	12	500	4,500	0.65	250
LCMI060303P-10NH,J-GQ	10	±3, 5%	11	500	4,000	0.70	250
LCMI060303P-12NH,J-GQ	12	±3, 5%	11	500	3,700	0.75	250
LCMI060303P-15NH,J-GQ	15	±3, 5%	11	500	3,100	0.85	250
LCMI060303P-18NH,J-GQ	18	±3, 5%	11	500	2,800	1.00	200
LCMI060303P-22NH,J-GQ	22	±3, 5%	9	500	2,500	1.20	150
LCMI060303P-27NH,J-GQ	27	±3, 5%	9	500	1,800	1.80	140
LCMI060303P-33NH,J-GQ	33	±3, 5%	7	300	1,700	2.10	120
LCMI060303P-39NH,J-GQ	39	±3, 5%	7	300	1,500	2.40	120

1. Testing Instrument

- Agilent E4991A RF IMPEDANCE
- Material Analyzer with fixture 16197A or Equivalent
- Agilent 4338B Milliohm meter

2. Operating temperature -40°C ~125°C

3. All test data is referenced to 25°C ambient. Test level 500mV.