

SMD Inductors — continued

BMB - Laboratory Kit



- Surface mount ring binder laboratory kit
- 0805 size ferrite beads
- Can be easily restocked
- Also contains 0603 size



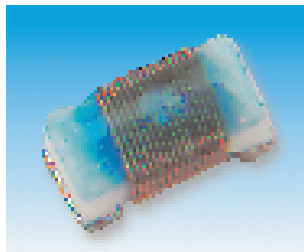
Kit contains 20 of each Inductance Value (Ω)

0805 case size	Type A	120, 120, 150, 220, 330
	Type B	5, 56, 120, 200, 300, 600, 750, 1000
0603 case size	Type R	120, 430, 600
	Type L	60, 300, 1000
0603 case size	Type B	5, 70, 120, 200, 300, 420, 600,
	Type R	120, 240, 600

fil285

	Order Code	1+	Price Each	3+
Laboratory kit	323-8106			

LQW1608A Series  
0603 Case Size



L = 1.6, W = 0.8, H = 0.8

- Miniature SMD inductors with alumina core
- Unique winding technology minimises stray capacitance, leading to increased SRF
- High Q and stable inductance at high frequencies
- Low DC resistance
- 0603 case size allows high density mounting



Inductance nH	Inductance Tolerance	Q Factor Min.	DC Resistance Ω Max.	Self Resonance Freq. MHz Min.	Allowable Current mA	Order Code
5.6	±2%	35	0.082	6000	750	353-0930
10	±2%	35	0.11	6000	650	353-0942
12	±2%	35	0.13	6000	600	353-0954
15	±2%	40	0.13	6000	600	353-0966
22	±2%	40	0.17	4600	500	353-0978
33	±2%	40	0.23	3200	420	353-0980
47	±2%	38	0.29	2600	380	353-0991
68	±2%	38	0.38	2200	340	353-1004
100	±2%	34	0.68	1800	220	353-1016
150	±2%	32	1.5	1400	160	353-1028
220	±2%	25	2.5	1200	120	353-1030

Mfrs. List No.	LQW1608A5N6C00 = 353-0930	LQW1608A10NG00 = 353-0942	LQW1608A12NG00 = 353-0954
	LQW1608A15NG00 = 353-0966	LQW1608A22NG00 = 353-0978	LQW1608A33NG00 = 353-0980
	LQW1608A47NG00 = 353-0991	LQW1608A68NG00 = 353-1004	LQW1608AR10G00 = 353-1016
	LQW1608AR15G00 = 353-1028	LQW1608AR22G00 = 353-1030	

fil312

Order Multiple = 5	Order Code	5+	Price Each	50+	100+	500+	1000+
All Values							

LQG21N Series  
0805 Case Size



L = 2.0, W = 1.25, H = 0.85  
(3.3, 4.7µH = 1.25)

- Miniature SMD inductors using multilayer process technology and magnetic materials
- Magnetically shielded design – ideal for high density mounting
- Approximately 1/4 the size of conventional chip coils while still retaining high reliability
- 0805 case size



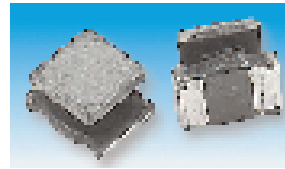
Inductance µH	Inductance Tolerance	Q Factor Min.	DC Resistance Ω Max.	Self Resonance Freq. MHz Min.	Allowable Current mA	Order Code
0.1	±10%	20	0.26	340	250	353-1041
0.15	±10%	20	0.32	270	250	353-1053
0.22	±10%	20	0.38	220	250	353-1065
0.33	±10%	20	0.48	180	250	353-1077
0.47	±10%	25	0.57	150	200	353-1089
0.68	±10%	25	0.72	125	150	353-1090
1.0	±10%	45	0.4	107	50	353-1107
1.5	±10%	45	0.5	87	50	353-1119
3.3	±10%	45	0.8	59	30	353-1120
4.7	±10%	45	1.0	47	30	353-1132

Mfrs. List No.	LQG21NR10K10 = 353-1041	LQG21NR15K10 = 353-1053	LQG21NR22K10 = 353-1065
	LQG21NR33K10 = 353-1077	LQG21NR47K10 = 353-1089	LQG21NR68K10 = 353-1090
	LQG21NR10K10 = 353-1107	LQG21NR15K10 = 353-1119	LQG21NR33K10 = 353-1120
	LQG21NR47K10 = 353-1132		

FIL313

Order Multiple = 5	Order Code	5+	Price Each	50+	100+	500+	1000+
All Values							

LQH3N Series  
1210 Case Size



L = 3.2, W = 2.5, H = 2.0

- 1210 sized chip inductors, comprising wire windings on ferrite core
- High Q at high frequencies, combined with low DC resistance
- Suitable for use in circuits up to 100MHz
- Ideal for video equipment



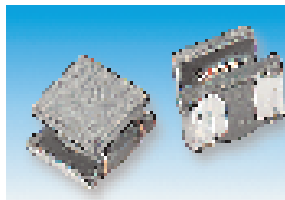
Inductance µH	Inductance Tolerance	Q Factor Min.	DC Resistance Ω Max.	Self Resonance Freq. MHz Min.	Allowable Current mA	Order Code
3.3	±10%	20	1.0	38	300	353-1144
4.7	±10%	20	1.2	31	270	353-1156
6.8	±10%	20	1.5	25	240	353-1168
10	±5%	35	1.8	20	190	353-1170
15	±5%	35	2.2	16	170	353-1181
22	±5%	35	2.8	14	150	353-1193
33	±5%	40	3.5	12	115	353-1200
47	±5%	40	4.3	11	100	353-1211
68	±5%	40	5.5	9.0	80	353-1223
100	±5%	40	7.0	8.0	80	353-1235
150	±5%	40	9.3	7.0	70	353-1247
220	±5%	40	11.8	5.5	65	353-1259
330	±5%	40	13	5.0	65	353-1260
470	±5%	50	25	5.0	45	353-1272

Mfrs. List No.	LQH3N3R3K34 = 353-1144	LQH3N4R7K34 = 353-1156	LQH3N6R8K34 = 353-1168
	LQH3N100J34 = 353-1170	LQH3N150J34 = 353-1181	LQH3N220J34 = 353-1193
	LQH3N330J34 = 353-1200	LQH3N470J34 = 353-1211	LQH3N680J34 = 353-1223
	LQH3N101J34 = 353-1235	LQH3N151J34 = 353-1247	LQH3N221J34 = 353-1259
	LQH3N331J34 = 353-1260	LQH3N471J34 = 353-1272	

FIL314

Order Multiple = 5	Order Code	5+	Price Each	50+	100+	500+	1000+
All Values							

LQH3C Series  
1210 Case Size



L = 3.2, W = 2.5, H = 2.0

- 1210 size chip inductors (wire wound on ferrite)
- Features low DC resistance to combine high inductance with high current capacity
- High impedance
- Excellent for use as choke coils in DC power supply circuits



Inductance µH	Inductance Tolerance	Q Factor Min.	DC Resistance Ω (±30%)	Self Resonance Freq. MHz Min.	Allowable Current mA	Order Code
0.15*	±20%	20	0.028	400	1450	353-1284
0.47*	±20%	20	0.042	150	1100	353-1296
1.0*	±20%	20	0.06	100	1000	353-1302
2.2*	±20%	35	0.097	64	790	353-1314
4.7*	±20%	35	0.15	43	650	353-1326
10*	±10%	35	0.3	26	450	353-1338
22	±10%	40	0.71	19	250	353-1340
47	±10%	40	1.3	15	170	353-1351
100	±10%	40	3.5	10	100	353-1363
220	±10%	40	8.4	6.8	70	353-1375
330	±10%	40	10.0	5.6	60	353-1387
470	±10%	40	19.0	5.0	60	353-1399

\* Low DC resistance types

Mfrs. List No.	LQH3CR15M24 = 353-1284	LQH3CR47M24 = 353-1296	LQH3C1R0M24 = 353-1302
	LQH3C2R2M24 = 353-1314	LQH3C4R7M24 = 353-1326	LQH3C100K24 = 353-1338
	LQH3C22K34 = 353-1340	LQH3C47K34 = 353-1351	LQH3C101K34 = 353-1363
	LQH3C221K34 = 353-1375	LQH3C331K34 = 353-1387	LQH3C471K34 = 353-1399

FIL315