

Wire Wound Ferrite Chip Inductors / QFL Series

Feature

1. Ferrite core wire wound construction.
2. Provide high Q characteristics.
3. Precision inductance tolerance is available.
4. Small footprint as well as profile.
5. All support Lead-Free Parts.

Application

1. Personal computers, Hard disk drives.
2. ADSL modem and Cable modem.
3. Digital camera or portable product.
4. Measuring instruments.

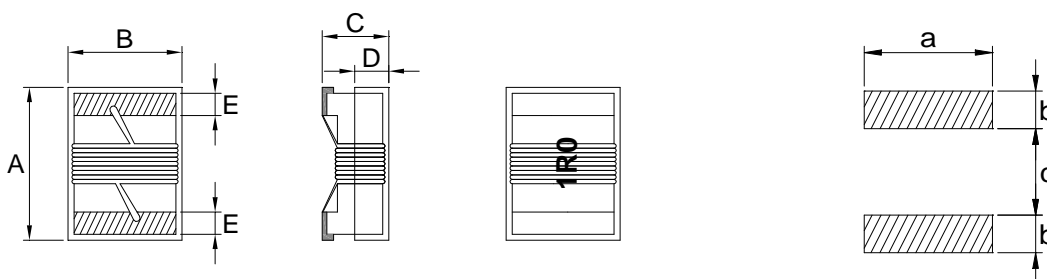
Product Identification

QFL 201212 - 1R0 K - D

1 2 3 4 5

1. Series name.
2. Dimension.(See Details)
3. Inductance.(See Details)
4. Tolerance.(See Details)
5. Color dot marked

Configurations & Dimensions



PCB Pattern

Series Name	A	B	C	D	E	a	b	c
QFL201212	2.40 max.	1.60 max.	1.40 max.	0.51 typ.	0.40 ± 0.1	1.80	0.90	1.00
QFL252018	2.90 max.	2.50 max.	2.10 max.	1.20 typ.	0.55 ± 0.1	2.54	1.00	1.30
QFL322522	3.60 max.	2.80 max.	2.50 max.	0.80 typ.	0.55 ± 0.1	2.80	1.00	2.00

Unit: mm

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■ Electrical Characteristics / QFL201212

System Number	Part Number	Inductance		Q Value / MHz Min.	SRF (MHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.
		μ H / MHz	Tolerance				
WP70O1023-00	QFL201212-R18 __	0.18/25.2	J,K	30/100	850	0.34	460
WP70O1025-00	QFL201212-R27 __	0.27/25.2	J,K	30/100	660	0.43	440
WP70O1028-00	QFL201212-R47 __	0.47/25.2	J,K	30/100	570	0.54	420
WP70O1029-00	QFL201212-R56 __	0.56/25.2	J,K	30/100	560	0.64	400
WP70O102A-00	QFL201212-R68 __	0.68/25.2	J,K	30/100	480	0.68	350
WP70O102B-00	QFL201212-R82 __	0.82/25.2	J,K	30/100	449	0.77	325
WP70O1030-00	QFL201212-1R0 __	1.0/25.2	J,K	30/100	394	0.86	300
WP70O1031-00	QFL201212-1R2 __	1.2/25.2	J,K	25/100	297	0.97	260
WP70O1032-00	QFL201212-1R5 __	1.5/25.2	J,K	25/25.2	206	1.08	250
WP70O1033-00	QFL201212-1R8 __	1.8/25.2	J,K	25/25.2	177	1.18	230
WP70O1034-00	QFL201212-2R2 __	2.2/25.2	J,K	20/25.2	141	1.32	220
WP70O1035-00	QFL201212-2R7 __	2.7/25.2	J,K	20/25.2	128	1.42	210
WP70O1036-00	QFL201212-3R3 __	3.3/25.2	J,K	15/25.2	110	1.73	200
WP70O1037-00	QFL201212-3R9 __	3.9/25.2	J,K	15/25.2	103	1.72	195
WP70O1038-00	QFL201212-4R7 __	4.7/25.2	J,K	15/25.2	98	1.87	185
WP70O1039-00	QFL201212-5R6 __	5.6/7.96	J,K	15/7.96	96	2.18	180
WP70O103A-00	QFL201212-6R8 __	6.8/7.96	J,K	15/7.96	82	2.90	175
WP70O103B-00	QFL201212-8R2 __	8.2/7.96	J,K	15/7.96	64	3.31	140
WP70O1040-00	QFL201212-100 __	10/7.96	J,K	15/7.96	56	3.72	115

※ Rated current that will cause temperature rise approximate 20°C without core loss.

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Wire Wound Ferrite Chip Inductors / QFL Series

■ Electrical Characteristics / QFL252018

System Number	Part Number	Inductance		Q Value / MHz Min.	SRF (MHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.
		uH / MHz	Tolerance				
WP70O1230-00	QFL252018-1R0 __	1.0/25.2	J,K	30/25.2	285	0.80	400
WP70O1231-00	QFL252018-1R2 __	1.2/25.2	J,K	25/25.2	265	0.87	300
WP70O1232-00	QFL252018-1R5 __	1.5/25.2	J,K	25/25.2	235	0.98	260
WP70O1233-00	QFL252018-1R8 __	1.8/25.2	J,K	25/25.2	226	1.10	245
WP70O1234-00	QFL252018-2R2 __	2.2/25.2	J,K	25/25.2	198	1.22	230
WP70O1235-00	QFL252018-2R7 __	2.7/25.2	J,K	25/25.2	180	1.33	220
WP70O1236-00	QFL252018-3R3 __	3.3/25.2	J,K	25/25.2	143	1.46	210
WP70O1237-00	QFL252018-3R9 __	3.9/25.2	J,K	25/25.2	136	1.63	200
WP70O1238-00	QFL252018-4R7 __	4.7/25.2	J,K	25/25.2	105	1.76	195
WP70O1239-00	QFL252018-5R6 __	5.6/25.2	J,K	25/25.2	88	1.97	185
WP70O123A-00	QFL252018-6R8 __	6.8/7.96	J,K	25/7.96	56	1.79	190
WP70O123B-00	QFL252018-8R2 __	8.2/7.96	J,K	25/7.96	48	2.03	180
WP70O1240-00	QFL252018-100 __	10/7.96	J,K	25/7.96	44	2.92	165
WP70O1241-00	QFL252018-120 __	12/7.96	J,K	25/7.96	42	3.11	160
WP70O1242-00	QFL252018-150 __	15/7.96	J,K	25/7.96	37	3.58	155
WP70O1243-00	QFL252018-180 __	18/2.52	J,K	20/2.52	32	3.89	150
WP70O1244-00	QFL252018-220 __	22/2.52	J,K	20/2.52	28	4.38	140
WP70O1245-00	QFL252018-270 __	27/2.52	J,K	20/2.52	24	4.92	130
WP70O1246-00	QFL252018-330 __	33/2.52	J,K	20/2.52	22	5.50	125
WP70O1247-00	QFL252018-390 __	39/2.52	J,K	20/2.52	20	7.51	110
WP70O1248-00	QFL252018-470 __	47/2.52	J,K	20/2.52	18	8.34	100
WP70O1249-00	QFL252018-560 __	56/2.52	J,K	20/2.52	16	9.18	95
WP70O124A-00	QFL252018-680 __	68/2.52	J,K	20/2.52	14	9.61	90
WP70O124B-00	QFL252018-820 __	82/2.52	J,K	20/2.52	12	11.54	80

※ Please specify the inductance tolerance : J,K (See Details).

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Wire Wound Ferrite Chip Inductors / QFL Series

■ Electrical Characteristics / QFL322522

System Number	Part Number	Inductance		Q Value / MHz Min.	SRF (MHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.
		uH / MHz	Tolerance				
WP70O132B-00	QFL322522-R82 __	0.82/25.2	J,K	30/25.2	310	0.54	630
WP70O1330-00	QFL322522-1R0 __	1.0/25.2	J,K	30/25.2	239	0.54	630
WP70O1331-00	QFL322522-1R2 __	1.2/25.2	J,K	30/25.2	221	0.54	630
WP70O1332-00	QFL322522-1R5 __	1.5/25.2	J,K	30/25.2	209	0.54	630
WP70O1333-00	QFL322522-1R8 __	1.8/25.2	J,K	30/25.2	203	0.62	630
WP70O1334-00	QFL322522-2R2 __	2.2/25.2	J,K	30/25.2	187	0.71	630
WP70O1335-00	QFL322522-2R7 __	2.7/25.2	J,K	30/25.2	157	0.74	630
WP70O1336-00	QFL322522-3R3 __	3.3/25.2	J,K	30/25.2	146	0.83	600
WP70O1337-00	QFL322522-3R9 __	3.9/25.2	J,K	30/25.2	139	1.74	380
WP70O1338-00	QFL322522-4R7 __	4.7/25.2	J,K	30/25.2	124	1.90	360
WP70O1339-00	QFL322522-5R6 __	5.6/25.2	J,K	30/25.2	114	2.05	330
WP70O133A-00	QFL322522-6R8 __	6.8/7.96	J,K	30/7.96	109	1.37	450
WP70O133B-00	QFL322522-8R2 __	8.2/7.96	J,K	30/7.96	104	1.50	420
WP70O1340-00	QFL322522-100 __	10/7.96	J,K	25/7.96	87	1.70	400
WP70O1341-00	QFL322522-120 __	12/7.96	J,K	25/7.96	76	1.88	360
WP70O1342-00	QFL322522-150 __	15/7.96	J,K	25/7.96	67	2.22	340
WP70O1343-00	QFL322522-180 __	18/7.96	J,K	25/7.96	57	2.42	330
WP70O1344-00	QFL322522-220 __	22/7.96	J,K	25/7.96	48	2.66	300
WP70O1345-00	QFL322522-270 __	27/2.52	J,K	25/2.52	38	2.99	250
WP70O1346-00	QFL322522-330 __	33/2.52	J,K	25/2.52	26	3.24	220
WP70O1347-00	QFL322522-390 __	39/2.52	J,K	25/2.52	24	3.61	195
WP70O1348-00	QFL322522-470 __	47/2.52	J,K	25/2.52	22	3.96	195
WP70O1349-00	QFL322522-560 __	56/2.52	J,K	25/2.52	20	4.36	190
WP70O134A-00	QFL322522-680 __	68/2.52	J,K	25/2.52	18	4.73	180
WP70O134B-00	QFL322522-820 __	82/2.52	J,K	25/2.52	16	5.95	160
WP70O1350-00	QFL322522-101 __	100/2.52	J,K	25/2.52	14	6.62	150
WP70O1351-00	QFL322522-121 __	120/2.52	J,K	15/2.52	12	7.33	140
WP70O1352-00	QFL322522-151 __	150/2.52	J,K	15/2.52	11	8.29	135
WP70O1353-00	QFL322522-181 __	180/2.52	J,K	15/2.52	10	11.53	100
WP70O1354-00	QFL322522-221 __	220/1.0	J,K	15/2.52	8	12.48	80

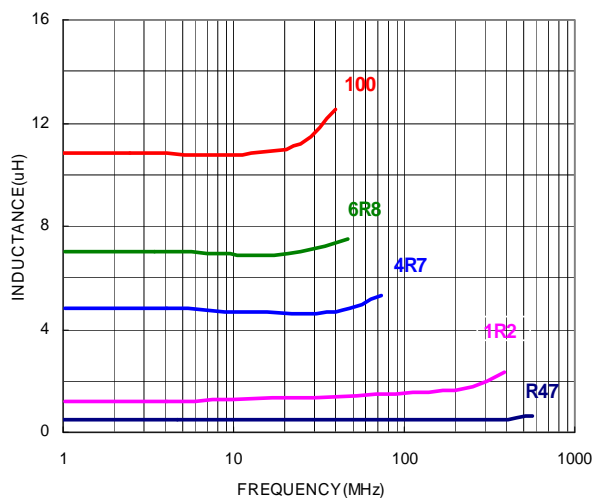
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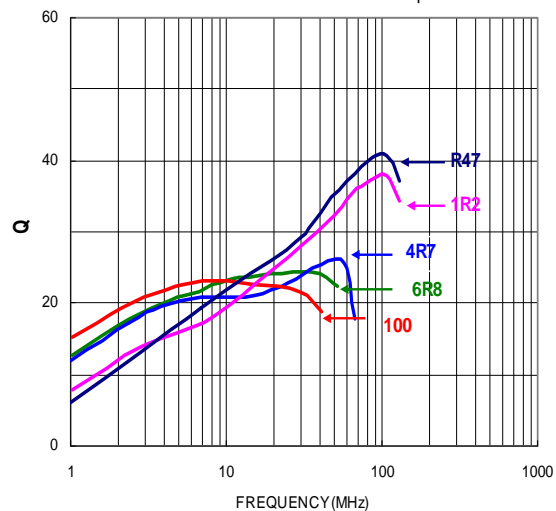
Wire Wound Ferrite Chip Inductors / QFL Series

Electrical Curve / QFL201212 , QFL252018 , QFL322522

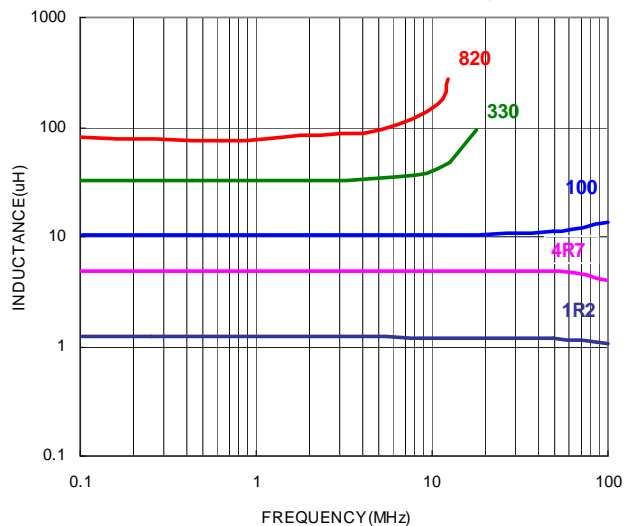
QFL 201212-Series L vs Freq



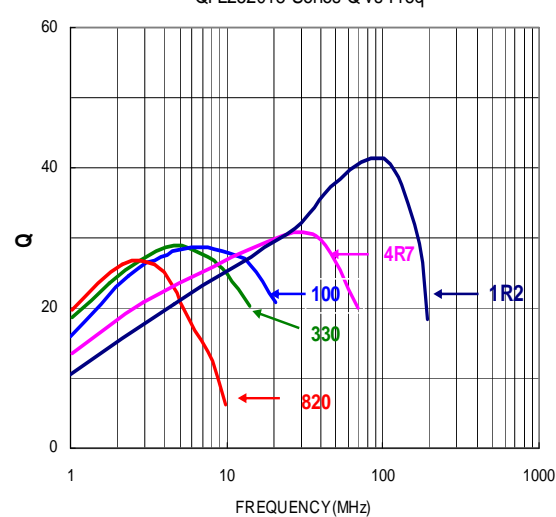
QFL201212-Series Q vs Freq



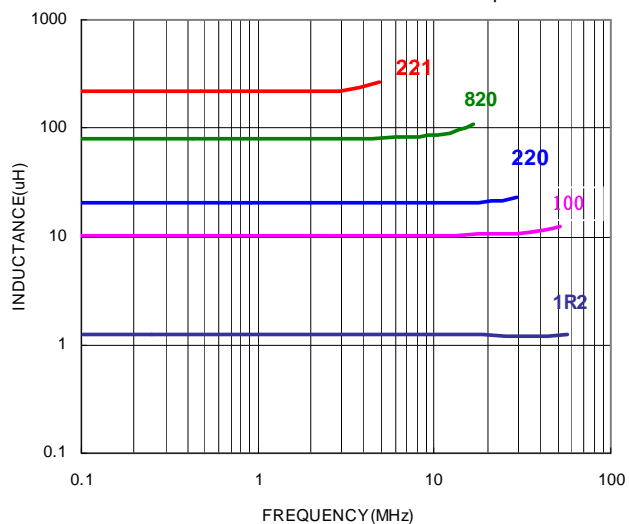
QFL 252018-Series L vs Freq



QFL252018-Series Q vs Freq



QFL 322522-Series L vs Freq



QFL322522-Series Q vs Freq

