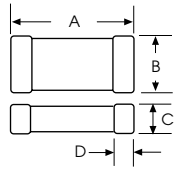
LCHF 0603 High Frequency Multi-Layer Chip Inductors



FEATURES

- ◊ Extremely high reliability in a wide temperature and humidity range.
- ◊ Superior Q.
- ◊ Excellent for flow, re-flow soldering.

APPLICATIONS

- ◊ High Frequency Circuits.
- ◊ Hand Held Electronics.

TEST L/Q: HP4291A+HP16192A

INDUCTANCE 1.0 N TO 180 N

OPERATING TEMPERATURE RANGE -40°C TO +100°C

TOLERANCES S = ± 0.3nH J = ± 5% K = ± 10%

DIMENSIONS IN MM

TYPE	A	B	C	D
LCHF0603	1.6±0.10	0.8±0.10	0.8±0.10	0.5±0.1

Part Number	Inductance (NH)	Tolerance (±%)	Q Min.		Test Frequency (MHz)					SRF (MHz) min	DC Resistance (Ω) Max	IDC (mA) Max
			50 MHz	10 MHz	50 MHz	100 MHz	300 MHz	500 MHz	800 MHz			
LCHF0603-1N0	1.0	S		8		12			60	10000	0.10	500
LCHF0603-1N2	1.2	S		8		13			60	10000	0.10	500
LCHF0603-1N5	1.5	S		8		13			57	8000	0.10	500
LCHF0603-1N8	1.8	S		8		13			51	8000	0.10	500
LCHF0603-2N2	2.2	S		8		13			46	7200	0.10	500
LCHF0603-2N7	2.7	S		10		13			46	6200	0.10	500
LCHF0603-3N3	3.3	S/ K		10		13			47	5200	0.12	500
LCHF0603-3N9	3.9	S/ K		10		13			47	5000	0.14	500
LCHF0603-4N7	4.7	S/ K		10		13			41	4750	0.16	500
LCHF0603-5N6	5.6	S/ K		10		13			41	4100	0.18	500
LCHF0603-6N8	6.8	J/ K		10		13			44	3750	0.22	500
LCHF0603-8N2	8.2	J/ K		10		13			44	3300	0.24	500
LCHF0603-10N	10	J/ K		12		13			45	3000	0.26	300
LCHF0603-12N	12	J/ K		12		15			46	2600	0.28	300
LCHF0603-15N	15	J/ K		12		15			48	2500	0.32	300
LCHF0603-18N	18	J/ K		12		15			48	2400	0.35	300
LCHF0603-22N	22	J/ K		12		17			45	2000	0.40	300
LCHF0603-27N	27	J/ K		12		17			43	1900	0.45	300
LCHF0603-33N	33	J/ K		12		18			39	1600	0.55	300
LCHF0603-39N	39	J/ K		12		18		37		1400	0.60	300
LCHF0603-47N	47	J/ K		12		18		35		1300	0.70	300
LCHF0603-56N	56	J/ K		12		18		32		1100	0.75	300
LCHF0603-62N	62	J/ K		12		18		34		1050	0.85	300
LCHF0603-68N	68	J/ K		12		18		34		1050	0.85	300
LCHF0603-82N	82	J/ K		12		18		32		900	1.00	300
LCHF0603-R10	100	J/ K		12		18		20		770	1.20	300
LCHF0603-R12	*120	J/ K	8		14		20			850	2.30	250
LCHF0603-R15	*150	J/ K	8		15		16			550	2.40	250
LCHF0603-R18	*180	J/ K	8		15		16			520	2.70	250

* at 50 MHz