

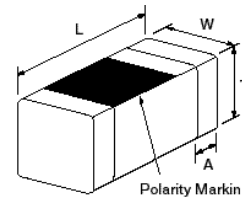
Multilayer Chip Inductors

DESCRIPTION

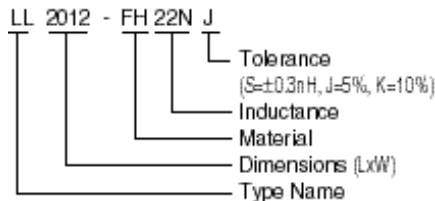
The LL2012-FH Series is a miniature multilayer ceramic chip inductor. Toko's proprietary laminated ceramic material provides high SRF, excellent Q, and superior reliability. These inductors are an ideal solution for signal shaping or RF filtering for high frequency RF and wireless communication devices.

FEATURES

- Inductance Range: 1.5~680nH (E-12 Series)
- Q: 45~65 Typical (at 800MHz)
- Temperature Coefficient: +250ppm/°C
- Temperature Range: -40~+100°C
- Flow and reflow solderable
- Packaged on tape and reel in 3000 or 4000 piece quantity
- Miniature Size: 0805 footprint (2mm x 1.2mm)
- Laminated Ceramic allows high SRF over 6 GHz

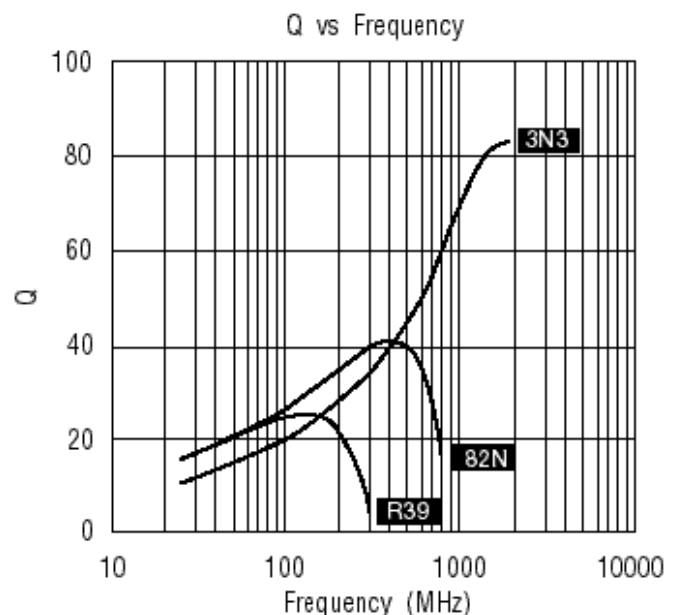
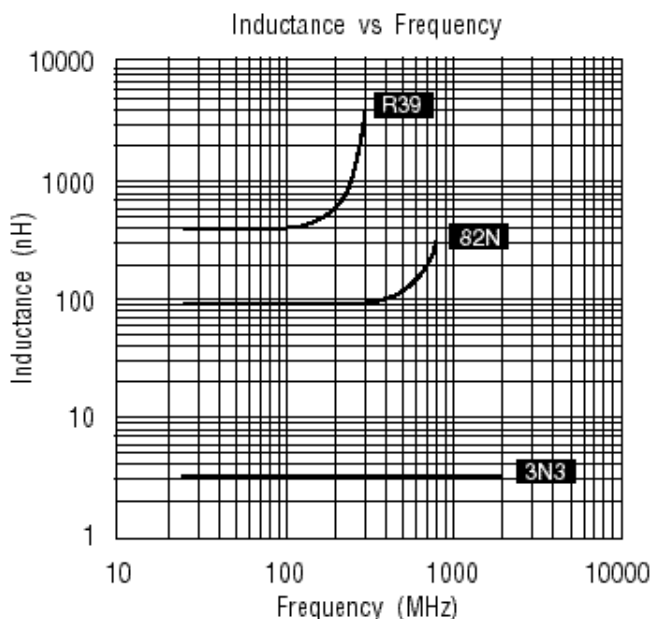


PART NUMBERING



Type	L (mm)	W (mm)	T (mm)	A (mm)
LL2012	2.0 ±0.2	1.25 ±0.2	0.6 ±0.2	0.5 ±0.3
			0.85±0.3	
			1.0±0.3	
			1.2±0.3	

ELECTRICAL CHARACTERISTICS



LL2012- FH Series

For more information contact:
Inductor Warehouse
 800-533-8295 (Inside US) 714-939-0370 (Outside US)
 714-939-0579 Fax

STANDARD PART NUMBERS

TOKO Part Number	Inductance (nH) at 100MHz	Inductance Tolerance	Q (Typ.) at---MHz			SRF MHz (typ)	RDC (max)	IDC mA (max)	Height T (mm)	Qty/reel
			100	800	1800					
LL2012-FH1N5S	1.5	S	15	50	60	7000	0.10	300	0.60 ± 0.2	4000
LL2012-FH1N8S	1.8	S	15	51	61	6800	0.10	300	0.60 ± 0.2	4000
LL2012-FH2N2S	2.2	S	19	61	125	5700	0.10	300	0.60 ± 0.2	4000
LL2012-FH2N7S	2.7	S	21	62	75	5350	0.10	300	0.60 ± 0.2	4000
LL2012-FH3N3_	3.3	S, K	21	64	79	4300	0.10	300	0.60 ± 0.2	4000
LL2012-FH3N9_	3.9	S, K	17	59	90	4000	0.10	300	0.60 ± 0.2	4000
LL2012-FH4N7_	4.7	S, K	17	55	55	3600	0.12	300	0.60 ± 0.2	4000
LL2012-FH5N6_	5.6	S, K	17	51	52	3500	0.15	300	0.60 ± 0.2	4000
LL2012-FH6N8_	6.8	J, K	20	58	53	3000	0.15	300	0.60 ± 0.2	4000
LL2012-FH8N2_	8.2	J, K	20	58	55	2800	0.18	300	0.60 ± 0.2	4000
LL2012-FH10N_	10	J, K	20	58	55	2600	0.20	300	0.85 ± 0.3	4000
LL2012-FH12N_	12	J, K	21	61	70	2250	0.22	300	0.85 ± 0.3	4000
LL2012-FH15N_	15	J, K	17	48	38	2250	0.24	300	0.85 ± 0.3	4000
LL2012-FH18N_	18	J, K	21	58	-	2000	0.26	300	0.85 ± 0.3	4000
LL2012-FH22N_	22	J, K	22	59	-	1800	0.28	300	0.85 ± 0.3	4000
LL2012-FH27N_	27	J, K	21	54	-	1600	0.30	300	0.85 ± 0.3	4000
LL2012-FH33N	33	J, K	22	54	-	1400	0.40	300	0.85 ± 0.3	4000
LL2012-FH39N_	39	J, K	23	50	-	1300	0.50	300	0.85 ± 0.3	4000
LL2012-FH47N_	47	J, K	24	47	-	1150	0.55	300	1.00 ± 0.3	3000
LL2012-FH56N_	56	J, K	25	45	-	1050	0.60	300	1.00 ± 0.3	3000
LL2012-FH68N_	68	J, K	26	-	-	950	0.65	300	1.00 ± 0.3	3000
LL2012-FH82N_	82	J, K	28	-	-	800	0.70	300	1.00 ± 0.3	3000
LL2012-FHR10	100	J, K	27	-	-	700	0.80	300	1.00 ± 0.3	3000
LL2012-FHR12_	120	J, K	*22	-	-	650	0.85	250	1.2 ± 0.3	3000
LL2012-FHR15_	150	J, K	*21	-	-	550	0.90	250	1.2 ± 0.3	3000
LL2012-FHR18_	180	J, K	*22	-	-	500	1.0	250	1.2 ± 0.3	3000
LL2012-FHR22_	220	J, K	*22	-	-	450	1.2	200	1.2 ± 0.3	3000
LL2012-FHR27_	270	J, K	**14	-	-	350	1.3	200	1.2 ± 0.3	3000
LL2012-FHR33	330	J, K	**14	-	-	350	1.5	150	1.2 ± 0.3	3000
LL2012-FHR39_	390	J, K	**15	-	-	300	1.8	150	1.2 ± 0.3	3000
LL2012-FHR47_	470	J, K	**14	-	-	260	4.5	50	1.2 ± 0.3	3000
LL2012-FHR56_	560	J, K	**15	-	-	230	4.5	50	1.2 ± 0.3	3000
LL2012-FHR68_	680	J, K	**14	-	-	180	5.5	50	1.2 ± 0.3	3000

*50MHz **25MHz

Note: Add tolerance to part number (S = ±0.3, J = 5%, K = 10%)

Testing Conditions: (1.) L,Q: HP4291A at 100MHz (Test fixture HP16192A) (2.) SRF: HP8719D (3.) RDC: VP-2811A Panasonic

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