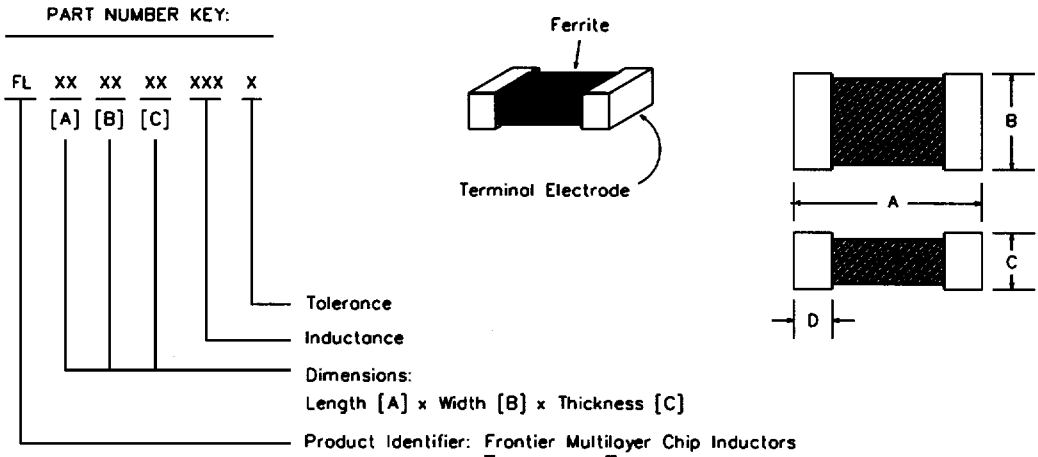


SURFACE MOUNT MULTILAYER CHIP INDUCTORS



MATERIAL PROPERTIES	UNIT	STANDARD VALUES			
Material Code:	—	B	U	Z	G
Initial Permeability: (μ_{iac})	—	45	200	500	110
Maximum Permeability: (μ_m)	—	125	450	900	250
Saturation Flux Density at 10 Oe:	Gauss	2000	1400	1500	1700
Curie Temperature:	$^{\circ}\text{C}$	>200	>130	>100	>130
Volume Resistivity:	$\Omega\text{-m}$	10^5	10^5	10^5	10^5
Temperature Coefficient:	$10^{-6}/^{\circ}\text{C}$	10	13	5	12

TYPE	A	B	C	D
FL160808	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	0.8±0.2 (0.031±0.008)	0.5±0.3 (0.020±0.012)
FL160812	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	1.2±0.2 (0.047±0.008)	0.5±0.3 (0.020±0.012)
FL201209	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	0.9±0.2 (0.035±0.008)	0.5±0.3 (0.020±0.012)
FL201212	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	1.2±0.2 (0.047±0.008)	0.5±0.3 (0.020±0.012)
FL321611	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.1±0.2 (0.043±0.008)	0.5±0.3 (0.020±0.012)
FL321616	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.6±0.2 (0.063±0.008)	0.5±0.3 (0.020±0.012)
FL322513	3.2±0.2 (0.126±0.008)	2.5±0.2 (0.098±0.008)	1.3±0.2 (0.051±0.008)	0.5±0.3 (0.020±0.012)

SURFACE MOUNT MULTILAYER CHIP INDUCTORS

FL1608 TYPES

PART NUMBER	INDUCTANCE (μH)	Q MIN.	L, Q TEST FREQ. (MHz)	SELF-RESONANT FREQ. (MHz) MINIMUM	DC RES. (Ω) MAX.	RATED CURRENT (mA) MAX.
FL160808-47N	0.047 \pm 20%	10	50	260	0.30	50
FL160808-68N	0.068 \pm 20%	10	50	250	0.30	50
FL160808-82N	0.082 \pm 20%	10	50	245	0.30	50
FL160808-R10	0.10 \pm 20%	15	25	240	0.50	50
FL160808-R12	0.12 \pm 20%	15	25	205	0.50	50
FL160808-R15	0.15 \pm 20%	15	25	180	0.60	50
FL160808-R18	0.18 \pm 20%	15	25	165	0.60	50
FL160808-R22	0.22 \pm 20%	15	25	150	0.80	50
FL160808-R27	0.27 \pm 20%	15	25	136	0.80	50
FL160808-R33	0.33 \pm 20%	15	25	125	0.85	35
FL160808-R39	0.39 \pm 20%	15	25	110	1.00	35
FL160808-R47	0.47 \pm 20%	15	25	105	1.35	35
FL160808-R56	0.56 \pm 20%	15	25	95	1.55	35
FL160808-R68	0.68 \pm 20%	15	25	90	1.70	35
FL160808-R82	0.82 \pm 20%	15	25	85	2.10	35
FL160808-1R0	1.0 \pm 20%	35	10	75	0.60	25
FL160808-1R2	1.2 \pm 20%	35	10	65	0.80	25
FL160808-1R5	1.5 \pm 20%	35	10	60	0.80	25
FL160808-1R8	1.8 \pm 20%	35	10	55	0.95	25
FL160808-2R2	2.2 \pm 20%	35	10	50	1.15	15
FL160808-2R7	2.7 \pm 20%	35	10	45	1.35	15
FL160808-3R3	3.3 \pm 20%	35	10	40	1.55	15
FL160808-3R9	3.9 \pm 20%	35	10	35	1.70	15
FL160808-4R7	4.7 \pm 20%	35	10	33	2.10	15
FL160808-5R6	5.6 \pm 20%	35	4	22	1.55	5
FL160808-6R8	6.8 \pm 20%	35	4	20	1.70	5
FL160808-8R2	8.2 \pm 20%	35	4	18	2.10	5
FL160808-100	10 \pm 20%	30	2	17	1.85	3
FL160808-120	12 \pm 20%	30	2	15	2.10	3
FL160808-150	15 \pm 20%	20	1	14	1.70	1
FL160808-180	18 \pm 20%	20	1	13	1.85	1
FL160808-220	22 \pm 20%	20	1	11	2.10	1
FL160808-270	27 \pm 20%	20	1	10	2.75	1
FL160808-330	33 \pm 20%	20	1	9	2.95	1

SURFACE MOUNT MULTILAYER CHIP INDUCTORS

FL2012 TYPES

PART NUMBER	INDUCTANCE (μ H)	Q MIN.	L, Q TEST FREQ. (MHz)	SELF-RESONANT FREQ. (MHz) MINIMUM	DC RES. (Ω) MAX.	RATED CURRENT (mA) MAX.
FL201209-47N	0.047 \pm 20%	15	50	320	0.20	300
FL201209-68N	0.068 \pm 20%	15	50	280	0.20	300
FL201209-82N	0.082 \pm 20%	15	50	255	0.20	300
FL201209-R10	0.10 \pm 20%	20	25	235	0.30	250
FL201209-R12	0.12 \pm 20%	20	25	220	0.30	250
FL201209-R15	0.15 \pm 20%	20	25	200	0.40	250
FL201209-R18	0.18 \pm 20%	20	25	185	0.40	250
FL201209-R22	0.22 \pm 20%	20	25	170	0.50	250
FL201209-R27	0.27 \pm 20%	20	25	150	0.50	250
FL201209-R33	0.33 \pm 20%	20	25	145	0.55	250
FL201209-R39	0.39 \pm 20%	25	25	135	0.65	200
FL201209-R47	0.47 \pm 20%	25	25	125	0.65	200
FL201209-R56	0.56 \pm 20%	25	25	115	0.75	150
FL201209-R68	0.68 \pm 20%	25	25	105	0.80	150
FL201209-R82	0.82 \pm 20%	25	25	100	1.00	150
FL201209-1R0	1.0 \pm 20%	45	10	75	0.40	50
FL201209-1R2	1.2 \pm 20%	45	10	65	0.50	50
FL201209-1R5	1.5 \pm 20%	45	10	60	0.50	50
FL201209-1R8	1.8 \pm 20%	45	10	55	0.60	50
FL201209-2R2	2.2 \pm 20%	45	10	50	0.65	30
FL201212-2R7	2.7 \pm 20%	45	10	45	0.75	30
FL201212-3R3	3.3 \pm 20%	45	10	41	0.80	30
FL201212-3R9	3.9 \pm 20%	45	10	38	0.90	30
FL201212-4R7	4.7 \pm 20%	45	10	35	1.00	30
FL201212-5R6	5.6 \pm 20%	50	4	32	0.90	15
FL201212-6R8	6.8 \pm 20%	50	4	29	1.00	15
FL201212-8R2	8.2 \pm 20%	50	4	26	1.10	15
FL201212-100	10 \pm 20%	50	2	24	1.15	15
FL201212-120	12 \pm 20%	50	2	22	1.25	15
FL201212-150	15 \pm 20%	30	1	19	0.80	5
FL201212-180	18 \pm 20%	30	1	18	0.90	5
FL201212-220	22 \pm 20%	30	1	16	1.10	5
FL201212-270	27 \pm 20%	30	1	14	1.15	5
FL201212-330	33 \pm 20%	30	0.4	13	1.25	5
FL201212-390	39 \pm 20%	35	2	8	2.90	4
FL201212-470	47 \pm 20%	35	2	7.5	3.00	4
FL201212-560	56 \pm 20%	35	2	7	3.10	4
FL201212-680	68 \pm 20%	25	1	6.5	2.90	2
FL201212-820	82 \pm 20%	25	1	6	3.00	2
FL201212-101	100 \pm 20%	25	1	5.5	3.10	2

SURFACE MOUNT MULTILAYER CHIP INDUCTORS

FL3216 TYPES

PART NUMBER	INDUCTANCE (μ H)	Q MIN.	L, Q TEST FREQ. (MHz)	SELF- RESONANT FREQ. (MHz) MINIMUM	DC RES. (Ω) MAX.	RATED CURRENT (mA) MAX.
FL321611-47N	0.047 \pm 20%	20	50	320	0.15	300
FL321611-68N	0.068 \pm 20%	20	50	280	0.25	300
FL321611-R10	0.10 \pm 20%	20	25	235	0.25	250
FL321611-R12	0.12 \pm 20%	20	25	220	0.30	250
FL321611-R15	0.15 \pm 20%	20	25	200	0.30	250
FL321611-R18	0.18 \pm 20%	20	25	185	0.40	250
FL321611-R22	0.22 \pm 20%	20	25	170	0.40	250
FL321611-R27	0.27 \pm 20%	20	25	150	0.50	250
FL321611-R33	0.33 \pm 20%	20	25	145	0.60	250
FL321611-R39	0.39 \pm 20%	25	25	135	0.50	200
FL321611-R47	0.47 \pm 20%	25	25	125	0.60	200
FL321611-R56	0.56 \pm 20%	25	25	115	0.70	150
FL321611-R68	0.68 \pm 20%	25	25	105	0.80	150
FL321611-R82	0.82 \pm 20%	25	25	100	0.90	150
FL321611-1R0	1.0 \pm 20%	45	10	75	0.40	100
FL321611-1R2	1.2 \pm 20%	45	10	65	0.50	100
FL321611-1R5	1.5 \pm 20%	45	10	60	0.50	50
FL321611-1R8	1.8 \pm 20%	45	10	55	0.50	50
FL321611-2R2	2.2 \pm 20%	45	10	50	0.60	50
FL321611-2R7	2.7 \pm 20%	45	10	45	0.60	50
FL321611-3R3	3.3 \pm 20%	45	10	41	0.70	50
FL321611-3R9	3.9 \pm 20%	45	10	38	0.80	50
FL321611-4R7	4.7 \pm 20%	45	10	35	0.90	50
FL321611-5R6	5.6 \pm 20%	50	4	32	0.70	25
FL321611-6R8	6.8 \pm 20%	50	4	29	0.80	25
FL321611-8R2	8.2 \pm 20%	50	4	26	0.90	25
FL321611-100	10 \pm 20%	50	2	24	1.00	25
FL321611-120	12 \pm 20%	50	2	22	1.05	15
FL321611-150	15 \pm 20%	35	1	19	0.70	5
FL321611-180	18 \pm 20%	35	1	18	0.70	5
FL321611-220	22 \pm 20%	35	1	16	0.90	5
FL321611-270	27 \pm 20%	35	1	14	0.90	5
FL321611-330	33 \pm 20%	35	0.4	13	1.05	5
FL321616-390	39 \pm 20%	40	2	11	3.00	10
FL321616-470	47 \pm 20%	40	2	10	3.40	10
FL321616-560	56 \pm 20%	40	2	9.5	3.80	4
FL321616-680	68 \pm 20%	40	1	9.5	3.00	4
FL321616-820	82 \pm 20%	40	1	9	3.40	4
FL321616-101	100 \pm 20%	40	1	8	3.80	4
FL321616-121	120 \pm 20%	30	0.4	6	3.00	2
FL321616-151	150 \pm 20%	30	0.4	5.5	3.40	2
FL321616-181	180 \pm 20%	30	0.4	5	3.80	2
FL321616-221	220 \pm 20%	30	0.4	4.5	4.20	2

SURFACE MOUNT MULTILAYER CHIP INDUCTORS

FL3225 TYPES

PART NUMBER	INDUCTANCE (μ H)	Q MIN.	L, Q TEST FREQ. (MHz)	SELF- RESONANT FREQ. (MHz) MINIMUM	DC RES. (Ω) MAX.	RATED CURRENT (mA) MAX.
FL322513-47N	0.047 \pm 20%	20	50	320	0.15	300
FL322513-68N	0.068 \pm 20%	20	50	280	0.25	300
FL322513-R10	0.10 \pm 20%	20	25	235	0.25	250
FL322513-R12	0.12 \pm 20%	20	25	220	0.30	250
FL322513-R15	0.15 \pm 20%	20	25	200	0.30	250
FL322513-R18	0.18 \pm 20%	20	25	185	0.40	250
FL322513-R22	0.22 \pm 20%	20	25	170	0.40	250
FL322513-R27	0.27 \pm 20%	20	25	150	0.50	250
FL322513-R33	0.33 \pm 20%	20	25	145	0.60	250
FL322513-R39	0.39 \pm 20%	25	25	135	0.50	200
FL322513-R47	0.47 \pm 20%	25	25	125	0.60	200
FL322513-R56	0.56 \pm 20%	25	25	115	0.70	150
FL322513-R68	0.68 \pm 20%	25	25	105	0.80	150
FL322513-R82	0.82 \pm 20%	25	25	100	0.90	150
FL322513-1R0	1.0 \pm 20%	45	10	75	0.40	100
FL322513-1R2	1.2 \pm 20%	45	10	65	0.50	100
FL322513-1R5	1.5 \pm 20%	45	10	60	0.50	50
FL322513-1R8	1.8 \pm 20%	45	10	55	0.50	50
FL322513-2R2	2.2 \pm 20%	45	10	50	0.60	50
FL322513-2R7	2.7 \pm 20%	45	10	45	0.60	50
FL322513-3R3	3.3 \pm 20%	45	10	41	0.70	50
FL322513-3R9	3.9 \pm 20%	45	10	38	0.80	50
FL322513-4R7	4.7 \pm 20%	45	10	35	0.90	50
FL322513-5R6	5.6 \pm 20%	50	4	32	0.70	25
FL322513-6R8	6.8 \pm 20%	50	4	29	0.80	25
FL322513-8R2	8.2 \pm 20%	50	4	26	0.90	25
FL322513-100	10 \pm 20%	50	2	24	1.00	25
FL322513-120	12 \pm 20%	50	2	22	1.05	15
FL322513-150	15 \pm 20%	35	1	19	0.70	5
FL322513-180	18 \pm 20%	35	1	18	0.70	5
FL322513-220	22 \pm 20%	35	1	16	0.90	5
FL322513-270	27 \pm 20%	35	1	14	0.90	5
FL322513-330	33 \pm 20%	35	0.4	13	1.05	5
FL322513-390	39 \pm 20%	40	2	11	3.00	10
FL322513-470	47 \pm 20%	40	2	10	3.40	10
FL322513-560	56 \pm 20%	40	2	9.5	3.80	4
FL322513-680	68 \pm 20%	40	1	9.5	3.00	4
FL322513-820	82 \pm 20%	40	1	9	3.40	4
FL322513-101	100 \pm 20%	40	1	8	3.80	4
FL322513-121	120 \pm 20%	30	0.4	6	3.00	2
FL322513-151	150 \pm 20%	30	0.4	5.5	3.40	2
FL322513-181	180 \pm 20%	30	0.4	5	3.80	2
FL322513-221	220 \pm 20%	30	0.4	4.5	4.20	2