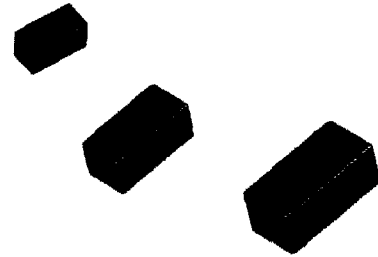


MULTILAYER CHIP INDUCTORS

MLI SERIES



FEATURES

- Multilayer ceramic structure ensures outstanding reliability for today's high frequency applications
- Monolithic inorganic construction
- Excellent Q and SRF characteristics
- Operating temperature range: -25°C to +105°C
- Standard tolerances: ±0.3nH, 5%, 10%, 20%
- Mini 0402 & 0201 sizes in development

Ind. (µH)	Test Freq. (MHz)	MLI 0603				MLI 0805				MLI 1008				MLI 1206					
		Q Min.	SRF Min. (MHz)	DCR Max. (Ohms)	Rated Current (mA)	Q Min.	SRF Min. (MHz)	DCR Max. (Ohms)	Rated Current (mA)	Q Min.	SRF Min. (MHz)	DCR Max. (Ohms)	Rated Current (mA)	Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	DCR Max. (Ohms)	Rated Current (mA)	
0.047	50	10	260	0.30	50	15	320	0.20	300	-	-	-	-	50	20	320	0.15	300	
0.068	50	10	250	0.30	50	15	280	0.20	300	-	-	-	-	50	20	280	0.25	300	
0.082	50	10	245	0.30	50	15	255	0.20	300	-	-	-	-	-	-	-	-	-	
0.10	25	15	240	0.50	50	20	235	0.30	250	30	680	0.21	570	25	20	235	0.25	250	
0.12	25	15	205	0.50	50	20	220	0.30	250	30	650	0.22	550	25	20	220	0.30	250	
0.15	25	15	180	0.60	50	20	200	0.40	250	30	530	0.25	500	25	20	200	0.30	250	
0.18	25	15	165	0.60	50	20	185	0.40	250	30	520	0.29	460	25	20	185	0.40	250	
0.22	25	15	150	0.80	50	20	170	0.50	250	30	390	0.30	430	25	20	170	0.40	250	
0.27	25	15	136	0.80	50	20	150	0.50	250	30	330	0.33	420	25	20	150	0.50	250	
0.33	25	15	125	0.85	35	20	145	0.55	250	30	310	0.39	400	25	20	145	0.50	250	
0.39	25	15	110	1.0	35	25	135	0.65	200	30	290	0.40	375	25	25	135	0.60	250	
0.47	25	15	105	1.35	35	25	125	0.65	200	30	260	0.44	350	25	25	125	0.60	200	
0.56	25	15	95	1.55	35	25	115	0.75	150	30	230	0.49	330	25	25	115	0.70	200	
0.68	25	15	80	1.70	35	25	105	0.80	150	30	200	0.52	320	25	25	105	0.80	150	
0.82	25	15	75	2.10	35	25	100	1.00	150	30	180	0.61	290	25	25	100	0.90	150	
1.0	10	30	70	0.60	25	45	75	0.40	50	7.96	30	150	0.75	250	10	45	75	0.40	100
1.2	10	30	60	0.80	25	45	65	0.50	50	7.96	30	140	0.87	240	10	45	65	0.50	100
1.5	10	30	55	0.80	25	45	60	0.50	50	7.96	30	130	1.00	230	10	45	60	0.50	50
1.8	10	30	50	0.95	25	45	55	0.60	50	7.96	30	120	1.10	220	10	45	55	0.50	50
2.2	10	30	45	1.15	15	45	50	0.65	30	7.96	30	105	1.30	210	10	45	50	0.60	50
2.7	10	30	40	1.35	15	45	45	0.75	30	7.96	30	90	1.40	200	10	45	45	0.60	50
3.3	10	30	38	1.55	15	45	41	0.80	30	7.96	30	80	1.60	190	10	45	41	0.70	50
3.9	10	30	36	1.70	15	45	38	0.90	30	7.96	30	75	1.70	185	10	45	38	0.80	50
4.7	10	30	33	2.10	15	45	35	1.00	30	7.96	30	70	1.90	180	10	45	35	0.90	50
5.6	4.0	30	22	1.55	15	45	32	0.90	15	7.96	30	60	2.20	170	4.0	50	32	0.70	25
6.8	4.0	30	20	1.70	15	45	29	1.00	15	7.96	30	55	2.40	165	4.0	50	29	0.80	25
8.2	4.0	30	18	2.10	15	45	26	1.10	15	7.96	30	50	2.60	160	4.0	50	26	0.90	25
10	2.0	30	17	2.55	15	45	24	1.15	15	2.52	25	30	2.20	155	2.0	50	24	1.0	25
12	2.0	-	-	-	-	45	22	1.25	15	2.52	25	27	2.50	150	2.0	50	22	1.05	15
15	1.0	-	-	-	-	30	19	0.80	5	2.52	25	23	2.80	140	1.0	35	19	0.70	5.0
18	1.0	-	-	-	-	30	18	0.90	5	2.52	25	22	3.20	130	1.0	35	18	0.70	5.0
22	1.0	-	-	-	-	30	16	1.10	5	2.52	25	21	3.60	125	1.0	35	16	0.90	5.0
27	1.0	-	-	-	-	30	14	1.15	5	2.52	25	19	4.30	115	1.0	35	14	0.90	5.0
33	0.4	-	-	-	-	30	13	1.25	5	2.52	25	17	4.70	110	0.4	35	13	1.05	5.0

DIMENSIONS

Type MLI	L (Length)	W (Width)	T (Thickness)	t (Term. Thickness)
0603	.063±.006 [1.6±.15]	.031±.006 [0.8±.15]	.031±.006 [0.8±.15]	.011±.007 [0.3±.2]
0805	.079±.007 [2.0±.2]	.049±.007 [1.25±.2]	.033±.007* [0.85±.2]	.019±.01 [0.5±.3]
1008	.098±.007 [2.5±.2]	.079±.007 [2.0±.2]	.063±.01 [1.6±.3]	.019±.01 [0.5±.3]
1206	.126±.007 [3.2±.2]	.063±.007 [1.6±.2]	.043±.01 [1.1±.3]	.019±.01 [0.5±.3]

* Thickness of .049±.007 [1.25±.18] is RCD option unless requested otherwise

P/N DESIGNATION:

MLI0805 - 220 - K T

RCD Type

Induc. code: 2 signif. figures + multiplier except below .01uH uses R + 3 digits (R047=.047uH, 4R7=4.7uH, 100=10uH, 101=100uH)

Tolerance code: M=20%, K=10%, J=5%, S=±0.3nH

Packaging: B=Bulk, T=Tape & Reel

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FA specifications subject to change without notice