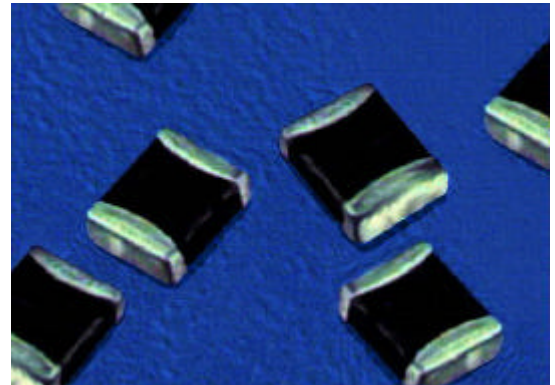


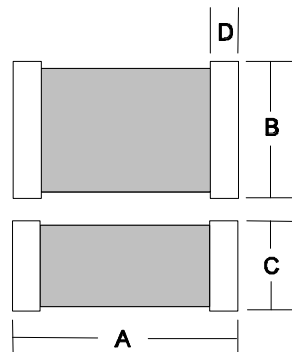
MLI Series

- 3 Component Sizes
- Monolithic Structure
- Stable Low Values
- Typical Reel Size 4000pcs



ECM's range of multilayer chip inductors (MLI Type) use the latest refinements in magnetic materials to achieve reliable low inductances. The perfect monolithic structure, creates a closed magnetic circuit as an inductor, and therefore it has excellent magnetic shielding characteristics. This makes the MLI series popular for cost sensitive applications where PCB space is at a premium. The MLI series is available in three sizes conforming to the popular EIA packages 0603, 0805, and 1206.

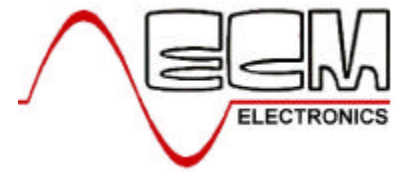
COMPONENT OUTLINE



DIMENSIONS (mm)

TYPE	a	b	c	d
MLI1608 (0603)	1.6	0.8	0.8	0.3
MLI2012 (0805)	2.0	1.25	1.25	0.5
MLI3216 (1206)	3.2	1.6	1.6	0.5

ECM Multilayer Chip Inductors



ECM Part	L (nH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R _{DC} MAX (W)	I _{DC} I _N (mA)
MLI160808T-047	0.047 @50MHz	M	10	260	0.30	50
MLI160808T-068	0.068 @50MHz	M	10	250	0.30	50
MLI160808T-082	0.082 @25.2MHz	M	10	245	0.30	50
MLI160808T-R10	0.10 @25.2MHz	M	15	240	0.50	50
MLI160808T-R12	0.12 @25.2MHz	K	15	205	0.50	50
MLI160808T-R15	0.15 @25.2MHz	K	15	180	0.60	50
MLI160808T-R18	0.18 @25.2MHz	K	15	165	0.60	50
MLI160808T-R22	0.22 @25.2MHz	K	15	150	0.80	50
MLI160808T-R27	0.27 @25.2MHz	K	15	136	0.80	50
MLI160808T-R33	0.33 @25.2MHz	K	15	125	0.85	35
MLI160808T-R39	0.39 @25.2MHz	K	15	110	1.00	35
MLI160808T-R47	0.47 @25.2MHz	K	15	105	1.35	35
MLI160808T-R56	0.56 @25.2MHz	K	15	95	1.55	35
MLI160808T-R68	0.68 @25.2MHz	K	15	90	1.70	35
MLI160808T-R82	0.82 @25.2MHz	K	15	85	2.10	35
MLI201209T-1R0	1.0 @10MHz	K	45	75	0.40	50
MLI201209T-1R2	1.2 @10MHz	K	45	65	0.50	50
MLI201209T-1R5	1.5 @10MHz	K	45	60	0.50	50
MLI201209T-1R8	1.8 @10MHz	K	45	55	0.60	50
MLI201209T-2R2	2.2 @10MHz	K	45	50	0.65	30
MLI201212T-2R7	2.7 @10MHz	J,K	45	45	0.75	30
MLI201212T-3R3	3.3 @10MHz	J,K	45	41	0.80	30
MLI201212T-3R9	3.9 @10MHz	J,K	45	38	0.90	30
MLI201212T-4R7	4.7 @10MHz	J,K	45	35	1.00	30
MLI201212T-5R6	5.6 @4MHz	J,K	50	32	0.90	15
MLI201212T-6R8	6.8 @4MHz	J,K	50	29	1.00	15
MLI201212T-8R2	8.2 @4MHz	J,K	50	26	1.10	15
MLI321611T-100	10 @2MHz	J,K	50	24	1.00	25
MLI321611T-120	12 @2MHz	J,K	50	22	1.05	15
MLI321611T-150	15 @1MHz	J,K	35	19	0.70	5
MLI321611T-180	18 @1MHz	J,K	35	18	0.70	5
MLI321611T-220	22 @1MHz	J,K	35	16	0.90	5
MLI321611T-270	27 @1MHz	J,K	35	14	0.90	5
MLI321611T-330	33 @0.4 MHz	J,K	35	13	1.05	5
MLI321616T-390	39 @2MHz	J,K	40	11	3.00	10
MLI321616T-470	47 @2MHz	J,K	40	10	4.00	10

TOLERANCES J=5%; K=10%; M=20%.

**** = Test Frequency as specified in 'L' column**

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