

KEMET Multilayer Chip Inductors



RoHS Compliant This product is RoHS compliant.

L-RMS Series

Features:

- Multilayer inductor made of advanced ceramics with low resistivity silver used as internal conductors, provides excellent Q and SRF characteristics
- Multilayer block structure ensures outstanding reliability, high productivity and excellent product quality

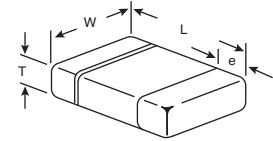
Applications:

- Designed to address surface mount inductor needs for applications above 100MHz
- Mobile phones and pagers
- High frequency circuits
- EMI counter measures in high frequency circuits

Specifications:

- Operating Temperature:
 - 0201: -55°C to +125°C
 - 0603: -55°C to +125°C *
 - 0402: -55°C to +85°C *
 - 1005: -55°C to +85°C *
 - 0603: -40°C to +85°C
 - 0805: -40°C to +85°C

Size	Dimensions: mm (in.)			
	L	W	T	e
0201	.6±.03	.3±.03	.3±.03	.15±.05
0603	(.024±.001)	(.012±.001)	(.012±.001)	(.006±.002)
0402	1±.05	.5±.05	.5±.05	.25±.10
1005	(.039±.002)	(.02±.002)	(.02±.002)	.01±.004
0603	1.6±.15	.8±.15	.8±.15	.3±.2
1608	(.063±.006)	(.031±.006)	(.031±.006)	(.012±.008)
0805	2±.3/-1	1.25±.2	.85±.2	.5±.3
2125	(.079±.012/- .004)	(.049±.008)	1+2/-3 (.033±.008)	(.020±.012)



RoHS Compliant

*Depends on rated current

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value μH	Tol. ±	Q Min.	SRF Min.	RDC Min.	Rated Current Max mA	Test Freq. MHz	Price Each				Reel Price Ea.
Mfr	Mfr Part No.								1	50	100	500	
Size 0201													
80-0201C1N0SRMST	1	0.3nH	4	10000	0.14	250	100	.12	.10	.08	.07	.04	
80-0201C1N2SRMST	1.2	0.3nH	4	10000	0.14	250	100	.12	.10	.08	.07	.04	
80-0201C1N5SRMST	1.5	0.3nH	4	10000	0.18	230	100	.12	.10	.08	.07	.04	
80-0201C1N8SRMST	1.8	0.3nH	4	10000	0.19	200	100	.12	.10	.08	.07	.04	
80-0201C2N2SRMST	2.2	0.3nH	4	8800	1.80	200	100	.12	.10	.08	.07	.04	
80-0201C2N7SRMST	2.7	0.3nH	5	7700	0.25	200	100	.12	.10	.08	.07	.04	
80-0201C3N3SRMST	3.3	0.3nH	5	6000	0.30	180	100	.12	.10	.08	.07	.04	
80-0201C3N9SRMST	3.9	0.3nH	5	6000	0.40	170	100	.12	.10	.08	.07	.04	
80-0201C4N7SRMST	4.7	0.3nH	5	5300	0.40	150	100	.12	.10	.08	.07	.04	
80-0201C5N6SRMST	5.6	0.3nH	5	4600	0.40	150	100	.12	.10	.08	.07	.04	
80-0201C6N8JRMST	6.8	5%	5	3900	0.48	150	100	.12	.10	.08	.07	.04	
80-0201C8N2JRMST	8.2	5%	5	3400	0.55	150	100	.12	.10	.08	.07	.04	
80-0201C10NJRMST	10	5%	5	2900	0.63	150	100	.12	.10	.08	.07	.04	
80-0201C12NJRMST	12	5%	5	2700	0.70	100	100	.12	.10	.08	.07	.04	
80-0201C15NJRMST	15	5%	5	2300	0.80	100	100	.12	.10	.08	.07	.04	
80-0201C18NJRMST	18	5%	5	2100	0.90	100	100	.12	.10	.08	.07	.04	
80-0201C22NJRMST	22	5%	5	1800	1.20	100	100	.12	.10	.08	.07	.04	
80-0201C27NJRMST	27	5%	4	1800	1.80	50	100	.12	.10	.08	.07	.04	
80-0201C33NJRMST	33	5%	4	1700	2.10	50	100	.12	.10	.08	.07	.04	
80-0201C39NJRMST	39	5%	4	1500	2.40	50	100	.12	.10	.08	.07	.04	
80-0201C47NJRMST	47	5%	4	1300	2.80	50	100	.12	.10	.08	.07	.04	
80-0201C56NJRMST	56	5%	4	1100	3.00	50	100	.12	.10	.08	.07	.04	
80-0201C68NJRMST	68	5%	4	1100	3.00	50	100	.12	.10	.08	.07	.04	
80-0201C82NJRMST	82	5%	4	1000	3.50	50	100	.12	.10	.08	.07	.04	
80-0201CR10JRMST	100	0.3nH	4	900	4.00	40	100	.12	.10	.08	.07	.04	

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Mfr	Mfr Part No.								1	50	100	500	
Size 0402													
80-0402C1N0SRMST	1	0.3nH	8	10000	0.08	300	100	.11	.10	.07	.06	.04	
80-0402C1N2SRMST	1.2	0.3nH	8	10000	0.09	300	100	.11	.10	.07	.06	.04	
80-0402C1N5SRMST	1.5	0.3nH	8	6000	0.10	300	100	.11	.10	.07	.06	.04	
80-0402C1N8SRMST	1.8	0.3nH	8	6000	0.12	300	100	.11	.10	.07	.06	.04	
80-0402C2N0SRMST	2	0.3nH	8	6000	0.12	300	100	.11	.10	.07	.06	.04	
80-0402C2N2SRMST	2.2	0.3nH	8	6000	0.13	300	100	.11	.10	.07	.06	.04	
80-0402C2N4SRMST	2.4	0.3nH	8	6000	0.13	300	100	.11	.10	.07	.06	.04	
80-0402C2N7SRMST	2.7	0.3nH	8	6000	0.13	300	100	.11	.10	.07	.06	.04	
80-0402C3N0SRMST	3	0.3nH	8	6000	0.16	300	100	.11	.10	.07	.06	.04	
80-0402C3N3SRMST	3.3	0.3nH	8	6000	0.16	300	100	.11	.10	.07	.06	.04	
80-0402C3N6SRMST	3.6	0.3nH	8	5000	0.20	300	100	.11	.10	.07	.06	.04	
80-0402C3N9SRMST	3.9	0.3nH	8	4000	0.21	300	100	.11	.10	.07	.06	.04	
80-0402C4N3SRMST	4.3	0.3nH	8	4000	0.20	300	100	.11	.10	.07	.06	.04	
80-0402C4N7SRMST	4.7	0.3nH	8	4000	0.21	300	100	.11	.10	.07	.06	.04	
80-0402C5N1SRMST	5.1	0.3nH	8	4000	0.21	300	100	.11	.10	.07	.06	.04	
80-0402C5N6SRMST	5.6	0.3nH	8	4000	0.23	300	100	.11	.10	.07	.06	.04	
80-0402C6N2SRMST	6.2	0.3nH	8	3900	0.25	300	100	.11	.10	.07	.06	.04	
80-0402C6N8JRMST	6.8	5%	8	3900	0.25	300	100	.11	.10	.07	.06	.04	
80-0402C7N5JRMST	7.5	5%	8	3700	0.25	300	100	.11	.10	.07	.06	.04	
80-0402C8N2JRMST	8.2	5%	8	3600	0.28	300	100	.11	.10	.07	.06	.04	
80-0402C9N1JRMST	9.1	5%	8	3400	0.30	300	100	.11	.10	.07	.06	.04	
80-0402C10NJRMST	10	5%	8	3200	0.31	300	100	.11	.10	.07	.06	.04	
80-0402C12NJRMST	12	5%	8	2700	0.40	300	100	.11	.10	.07	.06	.04	
80-0402C15NJRMST	15	5%	8	2300	0.46	300	100	.11	.10	.07	.06	.04	
80-0402C18NJRMST	18	5%	8	2100	0.55	300	100	.11	.10	.07	.06	.04	
80-0402C22NJRMST	22	5%	8	1900	0.60	300	100	.11	.10	.07	.06	.04	
80-0402C27NJRMST	27	5%	8	1600	0.70	300	100	.11	.10	.07	.06	.04	
80-0402C33NJRMST	33	5%	8	1300	0.80	200	100	.11	.10	.07	.06	.04	
80-0402C39NJRMST	39	5%	8	1200	0.90	200	100	.11	.10	.07	.06	.04	
80-0402C47NJRMST	47	5%	8	1000	1.00	200	100	.11	.10	.07	.06	.04	
80-0402C56NJRMST	56	5%	8	750	1.00	200	100	.11	.10	.07	.06	.04	
80-0402C68NJRMST	68	5%	8	750	1.20	180	100	.11	.10	.07	.06	.04	
80-0402C82NJRMST	82	5%	8	600	1.30	150	100	.11	.10	.07	.06	.04	
80-0402CR10JRMST	100	5%	8	600	1.50	150	100	.11	.10	.07	.06	.04	
80-0402CR12JRMST	120	5%	8	2700	0.40	300	100	.11	.10	.07	.06	.04	

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Mfr	Mfr Part No.								1	50	100	500	
Size 0603													
80-0603C1N0SRMST	1	0.3nH	8	10000	0.05	300	100	.14	.10	.08	.06	.045	
80-0603C1N2SRMST	1.2	0.3nH	8	10000	0.05	300	100	.14	.10	.08	.06	.045	
80-0603C1N5SRMST	1.5	0.3nH	8	6000	0.10	300	100	.14	.10	.08	.06	.045	
80-0603C1N8SRMST	1.8	0.3nH	8	6000	0.10	300	100	.14	.10	.08	.06	.045	
80-0603C2N2SRMST	2.2	0.3nH	8	6000	0.10	300	100	.14	.10	.08	.06	.045	
80-0603C2N7SRMST	2.7	0.3nH	10	6000	0.10	300	100	.14	.10	.08	.06	.045	
80-0603C3N3SRMST	3.3	0.3nH	10	6000	0.12	300	100	.14	.10	.08	.06	.045	
80-0603C3N9SRMST	3.9	0.3nH	10	6000	0.14	300	100	.14	.10	.08	.06	.045	

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MOUSER STOCK NO.		Value μH	Tol. ±	Q Min.	SRF Min.	RDC Min.	Rated Current Max mA	Test Freq. MHz	Price Each				Reel Price Ea.
Mfr	Mfr Part No.								1	50	100	500	
Size 0603 Cont.													
80-0603C4N7SRMST	4.7	0.3nH	10	4000	0.16	300	100	.14	.10	.08	.06	.045	
80-0603C5N6SRMST	5.6	0.3nH	10	4000	0.18	300	100	.14	.10	.08	.06	.045	
80-0603C6N8JRMST	6.8	5%	10	4000	0.22	300	100	.14	.10	.08	.06	.045	
80-0603C8N2JRMST	8.2	5%	10	3500	0.24	300	100	.14	.10	.08	.06	.045	
80-0603C10NJRMST	10	5%	12	3400	0.26	300	100	.14	.10	.08	.06	.045	
80-0603C12NJRMST	12	5%	12	2600	0.28	300	100	.14	.10	.08	.06	.045	
80-0603C15NJRMST	15	5%	12	2300	0.32	300	100	.14	.10	.08	.06	.045	
80-0603C18NJRMST	18	5%	12	2000	0.35	300	100	.14	.10	.08	.06	.045	
80-0603C22NJRMST	22	5%	12	1600	0.40	300	100	.14	.10	.08	.06	.045	
80-0603C27NJRMST	27	5%	12	1400	0.45	300	100	.14	.10	.08	.06	.045	
80-0603C33NJRMST	33	5%	12	1200	0.55	300	100	.14	.10	.08	.06	.045	
80-0603C39NJRMST	39	5%	12	1100	0.60	300	100	.14	.10	.08	.06	.045	
80-0603C47NJRMST	47	5%	12	900	0.70	300	100	.14	.10	.08	.06	.045	
80-0603C56NJRMST	56	5%	12	900	0.75	300	100	.14	.10	.08	.06	.045	
80-0603C68NJRMST	68	5%	12	700	0.85	300	100	.14	.10	.08	.06	.045	
80-0603C82NJRMST	82	5%	12	600	0.95	300	100	.14	.10	.08	.06	.045	
80-0603CR10JRMST	100	5%	12	600	1.00</								