

Ceramic Winding Type Chip Coil Inductor 陶瓷繞線晶片線圈電感

LQA Series

Chip Coil for High Frequency Circuit Applications.

The LQA series was ceramic winding type chip coil inductor. It has high Q value at high frequency and high self-response frequency, and use in communications equipment.

適用於高頻線路應用的晶片線圈。

LQA 系列是陶瓷繞線晶片線圈電感。在高頻具有高的 Q 值和高的自我共振頻率，故應用於通訊設備。



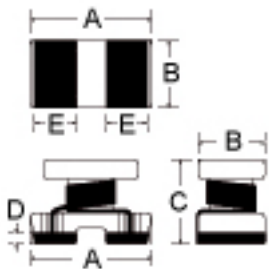
Features

- 1.It has high Q value at high frequency and high self-response frequency.
- 2.Suitable for flow and reflow soldering.
- 3.Excellent solderability and heat resistance.

特徵

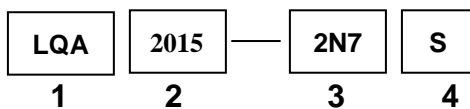
- 1· 在高頻具有高的 Q 值和高的自我共振頻率。
- 2· 適合一般焊接及回焊。
- 3· 良好的焊錫性及耐熱性。

Dimensions



Chip size					
Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
2015	2.0±0.2	1.5±0.2	1.7±0.2	0.15min	0.6±0.2
2520	2.5±0.2	2.0±0.2	1.8±0.2	0.15min	0.8±0.2
3216	3.2±0.3	1.6±0.3	1.8±0.3	0.15min	1.15±0.2

Part Numbering



- 1 . Series
- 2 . Dimension : A*B
- 3 . Inductance : 2N7 =2.7nH
- 4 . Inductance Tolerance : S=±0.3nH , J=±5% , K=±10% , M=±20%

LQA2015 Series

Part Number	Inductance		Q		Rated Current (Ma)max.	DCR (Ω)max	SRF (MHZ) min
	Tolerance (nH)	Test Frequency (MHz)	Nominal Value min	Test Frequency (MHz)			
LQA2015-2N7S	2.7	100	20	250	1900	0.02	6000
LQA2015-5N6S	5.6	100	35	250	1500	0.03	6000
LQA2015-6N8S	6.8	100	35	250	1400	0.03	6000
LQA2015-8N2S	8.2	100	20	250	630	0.12	3600
LQA2015-10NK	10	100	30	250	1320	0.30	3300
LQA2015-12NK	12	100	30	250	680	0.11	3200
LQA2015-15NK	15	100	30	250	690	0.12	2700
LQA2015-18NK	18	100	30	250	720	0.10	2600
LQA2015-22NK	22	100	30	250	540	0.09	2100
LQA2015-27NK	27	100	40	250	570	0.17	2300
LQA2015-33NK	33	100	40	250	730	0.15	1900
LQA2015-39NK	39	100	40	250	450	0.09	1700
LQA2015-47NK	47	100	40	200	430	0.23	1600
LQA2015-56NK	56	100	40	200	460	0.26	1500
LQA2015-68NK	68	100	40	200	320	0.23	1200
LQA2015-82NK	82	100	10	150	350	0.42	1100
LQA2015-R10K	100	100	35	150	320	0.38	900
LQA2015-R12K	120	100	40	150	390	0.40	750
LQA2015-R15K	150	100	30	150	250	0.47	350
LQA2015-R18K	180	100	35	100	240	0.71	700
LQA2015-R22K	220	100	35	100	100	0.70	500
LQA2015-R27K	270	100	15	25.2	100	0.70	550
LQA2015-R33K	330	100	15	25.2	100	0.70	500
LQA2015-R39K	390	100	15	25.2	100	0.70	400
LQA2015-R47K	470	100	15	25.2	100	0.70	350

Test equipment: L,Q:HP4192A,LCR METER/Rdc:HP4338B MILLIOHM METER/SRF:HP4291A,HP8753ES NETWORK ANALYZER

LQA2520 Series

Part Number	Inductance		Q		Rated Current (Ma)max.	DCR (Ω)max	SRF (MHZ) min
	Tolerance (nH)	Test Frequency (MHz)	Nominal Value min	Test Frequency (MHz)			
LQA2520-10NJ	10	100	25	100	530	0.26	2150
LQA2520-12NJ	12	100	25	100	500	0.27	2050
LQA2520-15NJ	15	100	25	100	480	0.29	2000
LQA2520-18NJ	18	100	25	100	450	0.31	1850
LQA2520-22NJ	22	100	25	100	420	0.37	1650
LQA2520-27NJ	27	100	25	100	410	0.4	1550
LQA2520-33NJ	33	100	25	100	400	0.42	1450
LQA2520-39NJ	39	100	25	100	380	0.45	1350
LQA2520-47NJ	47	100	25	100	360	0.5	1200
LQA2520-56NJ	56	100	25	100	340	0.6	1100
LQA2520-68NJ	68	100	25	100	320	0.65	1050
LQA2520-82NJ	82	100	25	100	300	0.75	900
LQA2520-R10J	100	100	25	100	280	0.8	800
LQA2520-R12J	120	25.2	30	25.2	550	0.38	700
LQA2520-R15J	150	25.2	30	25.2	500	0.42	550
LQA2520-R18J	180	25.2	30	25.2	475	0.45	500
LQA2520-R22J	220	25.2	35	25.2	450	0.5	450
LQA2520-R27J	270	25.2	35	25.2	425	0.58	425
LQA2520-R33J	330	25.2	40	25.2	400	0.68	400
LQA2520-R39J	390	25.2	40	25.2	375	0.73	375
LQA2520-R47J	470	25.2	40	25.2	350	0.83	350
LQA2520-R56J	560	25.2	40	25.2	325	0.93	325
LQA2520-R68J	680	25.2	40	25.2	300	0.98	180
LQA2520-R82J	820	25.2	40	25.2	260	1.05	120

Test equipment: L,Q:HP4192A,LCR METER/Rdc:HP4338B MILLIOHM METER/SRF:HP4291A,HP8753ES NETWORK ANALYZE

LQA3216 Series

Part Number	Inductance		Q		Rated Current (Ma)max.	DCR (Ω)max	SRF (MHZ) min
	Tolerance (nH)	Test Frequency (MHz)	Nominal Value min	Test Frequency (MHz)			
LQA3216-8N8J	8.8	100	50	436	750	0.0415	1000
LQA3216-15NJ	15	100	60	436	680	0.0490	1000
LQA3216-17NJ	17	100	60	436	650	0.0518	1000
LQA3216-23NJ	23	100	60	436	590	0.0644	1000
LQA3216-27NJ	27	100	60	436	560	0.0714	1000
LQA3216-33NJ	33	100	60	436	530	0.0798	1000
LQA3216-39NJ	39	100	60	436	490	0.0938	1000
LQA3216-47NJ	47	100	60	436	380	0.0154	1000
LQA3216-56NJ	56	100	60	436	330	0.1960	1000
LQA3216-64NJ	64	100	60	436	290	0.2520	1000
LQA3216-84NJ	84	100	60	436	240	0.3920	1000
LQA3216-R10J	100	100	60	436	230	0.4200	1000

Test equipment: L,Q:HP4192A,LCR METER/Rdc:HP4338B MILLIOHM METER/SRF:HP4291A,HP8753ES NETWORK ANALYZE