

Chip Coils for High Frequency Horizontal Wire Wound



LQW15A_00 Series (0402 Size)

LQW15A series consists of air core chip coil using a miniature alumina core.

The tight inductance tolerance (+0.2nH, +-3%) is available due to Murata's original wire wound technology. LQW15A series has high Q value in high frequency range and high self resonant frequency. It is suitable for high frequency circuits which are used in telecommunications equipment.

■ Features

1. Horizontal wire wound structure enables tight inductance tolerance (+0.2nH, +-3%)
And tolerance of +0.1nH, +-2% is available.
2. Wide variation in inductance value.
3. The subminiature dimensions (1.0x0.5mm) allow high density mounting.
4. The high self resonant frequency realizes high Q value and stable inductance at high frequency.
5. Low DC resistance design is ideal for low loss, high output and low power consumption.
6. Resin-coated surface enables excellent mounting.

■ Applications

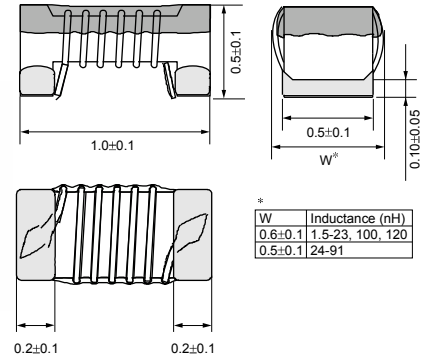
1. High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
2. Mobile phones such as GSM, CDMA, PDC, etc.
3. "Bluetooth"
4. W-LAN
5. High frequency circuits in general

■ Rated Value (□: packaging code)

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQW15AN1N5B00□	1.5nH±0.1nH	100MHz	1000mA	0.03ohm	10	250MHz	18.0GHz
LQW15AN1N5C00□	1.5nH±0.2nH	100MHz	1000mA	0.03ohm	10	250MHz	18.0GHz
LQW15AN1N5D00□	1.5nH±0.5nH	100MHz	1000mA	0.03ohm	10	250MHz	18.0GHz
LQW15AN2N4B00□	2.4nH±0.1nH	100MHz	850mA	0.05ohm	20	250MHz	15.0GHz
LQW15AN2N4C00□	2.4nH±0.2nH	100MHz	850mA	0.05ohm	20	250MHz	15.0GHz
LQW15AN2N4D00□	2.4nH±0.5nH	100MHz	850mA	0.05ohm	20	250MHz	15.0GHz
LQW15AN2N5B00□	2.5nH±0.1nH	100MHz	850mA	0.05ohm	20	250MHz	15.0GHz
LQW15AN2N5C00□	2.5nH±0.2nH	100MHz	850mA	0.05ohm	20	250MHz	15.0GHz
LQW15AN2N5D00□	2.5nH±0.5nH	100MHz	850mA	0.05ohm	20	250MHz	15.0GHz
LQW15AN2N7B00□	2.7nH±0.1nH	100MHz	850mA	0.05ohm	20	250MHz	15.0GHz
LQW15AN2N7C00□	2.7nH±0.2nH	100MHz	850mA	0.05ohm	20	250MHz	15.0GHz
LQW15AN2N7D00□	2.7nH±0.5nH	100MHz	850mA	0.05ohm	20	250MHz	15.0GHz
LQW15AN2N9B00□	2.9nH±0.1nH	100MHz	750mA	0.07ohm	20	250MHz	15.0GHz
LQW15AN2N9C00□	2.9nH±0.2nH	100MHz	750mA	0.07ohm	20	250MHz	15.0GHz
LQW15AN2N9D00□	2.9nH±0.5nH	100MHz	750mA	0.07ohm	20	250MHz	15.0GHz
LQW15AN3N9B00□	3.9nH±0.1nH	100MHz	750mA	0.07ohm	25	250MHz	10.0GHz

Operating Temperature Range: -55°C to +125°C Only for reflow soldering.

■ Dimension



(in mm)

Continued from the preceding page.

3

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQW15AN3N9C00□	3.9nH±0.2nH	100MHz	750mA	0.07ohm	25	250MHz	10.0GHz
LQW15AN3N9D00□	3.9nH±0.5nH	100MHz	750mA	0.07ohm	25	250MHz	10.0GHz
LQW15AN4N1B00□	4.1nH±0.1nH	100MHz	750mA	0.07ohm	25	250MHz	10.0GHz
LQW15AN4N1C00□	4.1nH±0.2nH	100MHz	750mA	0.07ohm	25	250MHz	10.0GHz
LQW15AN4N1D00□	4.1nH±0.5nH	100MHz	750mA	0.07ohm	25	250MHz	10.0GHz
LQW15AN4N3B00□	4.3nH±0.1nH	100MHz	750mA	0.07ohm	25	250MHz	10.0GHz
LQW15AN4N3C00□	4.3nH±0.2nH	100MHz	750mA	0.07ohm	25	250MHz	10.0GHz
LQW15AN4N3D00□	4.3nH±0.5nH	100MHz	750mA	0.07ohm	25	250MHz	10.0GHz
LQW15AN4N7B00□	4.7nH±0.1nH	100MHz	750mA	0.07ohm	25	250MHz	8.0GHz
LQW15AN4N7C00□	4.7nH±0.2nH	100MHz	750mA	0.07ohm	25	250MHz	8.0GHz
LQW15AN4N7D00□	4.7nH±0.5nH	100MHz	750mA	0.07ohm	25	250MHz	8.0GHz
LQW15AN5N1B00□	5.1nH±0.1nH	100MHz	600mA	0.12ohm	25	250MHz	8.0GHz
LQW15AN5N1C00□	5.1nH±0.2nH	100MHz	600mA	0.12ohm	25	250MHz	8.0GHz
LQW15AN5N1D00□	5.1nH±0.5nH	100MHz	600mA	0.12ohm	25	250MHz	8.0GHz
LQW15AN5N8B00□	5.8nH±0.1nH	100MHz	700mA	0.12ohm	25	250MHz	8.0GHz
LQW15AN5N8C00□	5.8nH±0.2nH	100MHz	700mA	0.12ohm	25	250MHz	8.0GHz
LQW15AN5N8D00□	5.8nH±0.5nH	100MHz	700mA	0.12ohm	25	250MHz	8.0GHz
LQW15AN6N2B00□	6.2nH±0.1nH	100MHz	700mA	0.09ohm	25	250MHz	8.0GHz
LQW15AN6N2C00□	6.2nH±0.2nH	100MHz	700mA	0.09ohm	25	250MHz	8.0GHz
LQW15AN6N2D00□	6.2nH±0.5nH	100MHz	700mA	0.09ohm	25	250MHz	8.0GHz
LQW15AN6N8G00□	6.8nH±2%	100MHz	700mA	0.09ohm	25	250MHz	6.0GHz
LQW15AN6N8H00□	6.8nH±3%	100MHz	700mA	0.09ohm	25	250MHz	6.0GHz
LQW15AN6N8J00□	6.8nH±5%	100MHz	700mA	0.09ohm	25	250MHz	6.0GHz
LQW15AN7N3G00□	7.3nH±2%	100MHz	570mA	0.13ohm	25	250MHz	6.0GHz
LQW15AN7N3H00□	7.3nH±3%	100MHz	570mA	0.13ohm	25	250MHz	6.0GHz
LQW15AN7N3J00□	7.3nH±5%	100MHz	570mA	0.13ohm	25	250MHz	6.0GHz
LQW15AN7N5G00□	7.5nH±2%	100MHz	570mA	0.13ohm	25	250MHz	6.0GHz
LQW15AN7N5H00□	7.5nH±3%	100MHz	570mA	0.13ohm	25	250MHz	6.0GHz
LQW15AN7N5J00□	7.5nH±5%	100MHz	570mA	0.13ohm	25	250MHz	6.0GHz
LQW15AN8N2G00□	8.2nH±2%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN8N2H00□	8.2nH±3%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN8N2J00□	8.2nH±5%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN8N7G00□	8.7nH±2%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN8N7H00□	8.7nH±3%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN8N7J00□	8.7nH±5%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN9N1G00□	9.1nH±2%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN9N1H00□	9.1nH±3%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN9N1J00□	9.1nH±5%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN9N5G00□	9.5nH±2%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN9N5H00□	9.5nH±3%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN9N5J00□	9.5nH±5%	100MHz	540mA	0.14ohm	25	250MHz	5.5GHz
LQW15AN10NG00□	10nH±2%	100MHz	500mA	0.17ohm	25	250MHz	5.5GHz
LQW15AN10NH00□	10nH±3%	100MHz	500mA	0.17ohm	25	250MHz	5.5GHz
LQW15AN10NJ00□	10nH±5%	100MHz	500mA	0.17ohm	25	250MHz	5.5GHz
LQW15AN11NG00□	11nH±2%	100MHz	500mA	0.14ohm	30	250MHz	5.5GHz
LQW15AN11NH00□	11nH±3%	100MHz	500mA	0.14ohm	30	250MHz	5.5GHz
LQW15AN11NJ00□	11nH±5%	100MHz	500mA	0.14ohm	30	250MHz	5.5GHz
LQW15AN12NG00□	12nH±2%	100MHz	500mA	0.14ohm	30	250MHz	5.5GHz
LQW15AN12NH00□	12nH±3%	100MHz	500mA	0.14ohm	30	250MHz	5.5GHz
LQW15AN12NJ00□	12nH±5%	100MHz	500mA	0.14ohm	30	250MHz	5.5GHz
LQW15AN13NG00□	13nH±2%	100MHz	430mA	0.21ohm	25	250MHz	5.0GHz

Operating Temperature Range: -55°C to +125°C Only for reflow soldering.


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3

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQW15AN13NH00□	13nH±3%	100MHz	430mA	0.21ohm	25	250MHz	5.0GHz
LQW15AN13NJ00□	13nH±5%	100MHz	430mA	0.21ohm	25	250MHz	5.0GHz
LQW15AN15NG00□	15nH±2%	100MHz	460mA	0.16ohm	30	250MHz	5.0GHz
LQW15AN15NH00□	15nH±3%	100MHz	460mA	0.16ohm	30	250MHz	5.0GHz
LQW15AN15NJ00□	15nH±5%	100MHz	460mA	0.16ohm	30	250MHz	5.0GHz
LQW15AN16NG00□	16nH±2%	100MHz	370mA	0.24ohm	25	250MHz	4.5GHz
LQW15AN16NH00□	16nH±3%	100MHz	370mA	0.24ohm	25	250MHz	4.5GHz
LQW15AN16NJ00□	16nH±5%	100MHz	370mA	0.24ohm	25	250MHz	4.5GHz
LQW15AN18NG00□	18nH±2%	100MHz	370mA	0.27ohm	25	250MHz	4.5GHz
LQW15AN18NH00□	18nH±3%	100MHz	370mA	0.27ohm	25	250MHz	4.5GHz
LQW15AN18NJ00□	18nH±5%	100MHz	370mA	0.27ohm	25	250MHz	4.5GHz
LQW15AN19NG00□	19nH±2%	100MHz	370mA	0.27ohm	25	250MHz	4.5GHz
LQW15AN19NH00□	19nH±3%	100MHz	370mA	0.27ohm	25	250MHz	4.5GHz
LQW15AN19NJ00□	19nH±5%	100MHz	370mA	0.27ohm	25	250MHz	4.5GHz
LQW15AN20NG00□	20nH±2%	100MHz	370mA	0.27ohm	25	250MHz	4.0GHz
LQW15AN20NH00□	20nH±3%	100MHz	370mA	0.27ohm	25	250MHz	4.0GHz
LQW15AN20NJ00□	20nH±5%	100MHz	370mA	0.27ohm	25	250MHz	4.0GHz
LQW15AN22NG00□	22nH±2%	100MHz	310mA	0.30ohm	25	250MHz	4.0GHz
LQW15AN22NH00□	22nH±3%	100MHz	310mA	0.30ohm	25	250MHz	4.0GHz
LQW15AN22NJ00□	22nH±5%	100MHz	310mA	0.30ohm	25	250MHz	4.0GHz
LQW15AN23NG00□	23nH±2%	100MHz	310mA	0.30ohm	25	250MHz	3.8GHz
LQW15AN23NH00□	23nH±3%	100MHz	310mA	0.30ohm	25	250MHz	3.8GHz
LQW15AN23NJ00□	23nH±5%	100MHz	310mA	0.30ohm	25	250MHz	3.8GHz
LQW15AN24NG00□	24nH±2%	100MHz	280mA	0.52ohm	25	250MHz	3.5GHz
LQW15AN24NH00□	24nH±3%	100MHz	280mA	0.52ohm	25	250MHz	3.5GHz
LQW15AN24NJ00□	24nH±5%	100MHz	280mA	0.52ohm	25	250MHz	3.5GHz
LQW15AN27NG00□	27nH±2%	100MHz	280mA	0.52ohm	25	250MHz	3.5GHz
LQW15AN27NH00□	27nH±3%	100MHz	280mA	0.52ohm	25	250MHz	3.5GHz
LQW15AN27NJ00□	27nH±5%	100MHz	280mA	0.52ohm	25	250MHz	3.5GHz
LQW15AN30NG00□	30nH±2%	100MHz	270mA	0.58ohm	25	250MHz	3.3GHz
LQW15AN30NH00□	30nH±3%	100MHz	270mA	0.58ohm	25	250MHz	3.3GHz
LQW15AN30NJ00□	30nH±5%	100MHz	270mA	0.58ohm	25	250MHz	3.3GHz
LQW15AN33NG00□	33nH±2%	100MHz	260mA	0.63ohm	25	250MHz	3.2GHz
LQW15AN33NH00□	33nH±3%	100MHz	260mA	0.63ohm	25	250MHz	3.2GHz
LQW15AN33NJ00□	33nH±5%	100MHz	260mA	0.63ohm	25	250MHz	3.2GHz
LQW15AN36NG00□	36nH±2%	100MHz	260mA	0.63ohm	25	250MHz	3.1GHz
LQW15AN36NH00□	36nH±3%	100MHz	260mA	0.63ohm	25	250MHz	3.1GHz
LQW15AN36NJ00□	36nH±5%	100MHz	260mA	0.63ohm	25	250MHz	3.1GHz
LQW15AN39NG00□	39nH±2%	100MHz	250mA	0.70ohm	25	250MHz	3.0GHz
LQW15AN39NH00□	39nH±3%	100MHz	250mA	0.70ohm	25	250MHz	3.0GHz
LQW15AN39NJ00□	39nH±5%	100MHz	250mA	0.70ohm	25	250MHz	3.0GHz
LQW15AN40NG00□	40nH±2%	100MHz	250mA	0.70ohm	25	250MHz	3.0GHz
LQW15AN40NH00□	40nH±3%	100MHz	250mA	0.70ohm	25	250MHz	3.0GHz
LQW15AN40NJ00□	40nH±5%	100MHz	250mA	0.70ohm	25	250MHz	3.0GHz
LQW15AN43NG00□	43nH±2%	100MHz	250mA	0.70ohm	25	250MHz	3.0GHz
LQW15AN43NH00□	43nH±3%	100MHz	250mA	0.70ohm	25	250MHz	3.0GHz
LQW15AN43NJ00□	43nH±5%	100MHz	250mA	0.70ohm	25	250MHz	3.0GHz
LQW15AN47NG00□	47nH±2%	100MHz	210mA	1.08ohm	25	200MHz	2.9GHz
LQW15AN47NH00□	47nH±3%	100MHz	210mA	1.08ohm	25	200MHz	2.9GHz
LQW15AN47NJ00□	47nH±5%	100MHz	210mA	1.08ohm	25	200MHz	2.9GHz
LQW15AN51NG00□	51nH±2%	100MHz	210mA	1.08ohm	25	200MHz	2.85GHz

Operating Temperature Range: -55°C to +125°C Only for reflow soldering.

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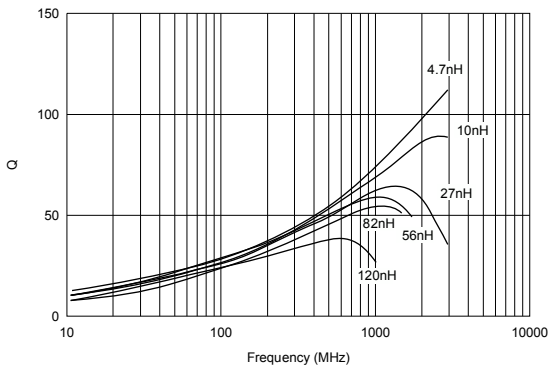
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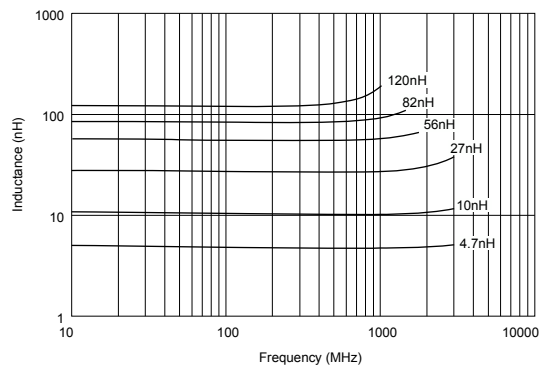
Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQW15AN51NH00□	51nH±3%	100MHz	210mA	1.08ohm	25	200MHz	2.85GHz
LQW15AN51NJ00□	51nH±5%	100MHz	210mA	1.08ohm	25	200MHz	2.85GHz
LQW15AN56NG00□	56nH±2%	100MHz	200mA	1.17ohm	25	200MHz	2.8GHz
LQW15AN56NH00□	56nH±3%	100MHz	200mA	1.17ohm	25	200MHz	2.8GHz
LQW15AN56NJ00□	56nH±5%	100MHz	200mA	1.17ohm	25	200MHz	2.8GHz
LQW15AN62NG00□	62nH±2%	100MHz	145mA	1.82ohm	20	200MHz	2.6GHz
LQW15AN62NH00□	62nH±3%	100MHz	145mA	1.82ohm	20	200MHz	2.6GHz
LQW15AN62NJ00□	62nH±5%	100MHz	145mA	1.82ohm	20	200MHz	2.6GHz
LQW15AN68NG00□	68nH±2%	100MHz	140mA	1.96ohm	20	200MHz	2.5GHz
LQW15AN68NJ00□	68nH±5%	100MHz	140mA	1.96ohm	20	200MHz	2.5GHz
LQW15AN72NG00□	72nH±2%	100MHz	135mA	2.10ohm	20	150MHz	2.5GHz
LQW15AN72NJ00□	72nH±5%	100MHz	135mA	2.10ohm	20	150MHz	2.5GHz
LQW15AN75NG00□	75nH±2%	100MHz	135mA	2.10ohm	20	150MHz	2.4GHz
LQW15AN75NJ00□	75nH±5%	100MHz	135mA	2.10ohm	20	150MHz	2.4GHz
LQW15AN82NG00□	82nH±2%	100MHz	130mA	2.24ohm	20	150MHz	2.3GHz
LQW15AN82NJ00□	82nH±5%	100MHz	130mA	2.24ohm	20	150MHz	2.3GHz
LQW15AN91NG00□	91nH±2%	100MHz	125mA	2.38ohm	20	150MHz	2.1GHz
LQW15AN91NJ00□	91nH±5%	100MHz	125mA	2.38ohm	20	150MHz	2.1GHz
LQW15ANR10J00□	100nH±5%	100MHz	120mA	2.52ohm	20	150MHz	1.5GHz
LQW15ANR12J00□	120nH±5%	100MHz	110mA	2.66ohm	20	150MHz	1.0GHz

Operating Temperature Range: -55°C to +125°C Only for reflow soldering.

■ Q-Frequency Characteristics (Typ.)



■ Inductance-Frequency Characteristics (Typ.)



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Reference Data

LQW15AN_00

E4991A & 16197A

Part Number	Inductance (nH)	Q (Typ.)						
	Nominal	300MHz	800MHz	900MHz	1.5GHz	1.8GHz	2.0GHz	2.4GHz
LQW15AN1N5	1.5	30	55	60	65	90	100	115
LQW15AN2N4	2.4	40	65	67	80	98	108	120
LQW15AN2N5	2.5	40	65	67	88	90	100	110
LQW15AN2N7	2.7	40	67	73	85	100	105	120
LQW15AN2N9	2.9	33	53	58	75	80	85	92
LQW15AN3N9	3.9	35	58	61	82	88	92	100
LQW15AN4N1	4.1	35	58	61	82	88	92	100
LQW15AN4N3	4.3	35	58	61	90	88	92	100
LQW15AN4N7	4.7	40	65	67	85	88	92	95
LQW15AN5N1	5.1	35	60	65	78	85	90	95
LQW15AN5N8	5.8	40	63	67	85	88	92	105
LQW15AN6N2	6.2	40	63	65	80	90	95	105
LQW15AN6N8	6.8	45	70	72	90	96	100	103
LQW15AN7N3	7.3	38	58	63	75	88	90	92
LQW15AN7N5	7.5	38	58	63	75	88	90	92
LQW15AN8N2	8.2	40	62	67	80	90	95	102
LQW15AN8N7	8.7	40	60	62	80	85	90	92
LQW15AN9N1	9.1	40	62	68	85	90	92	95
LQW15AN9N5	9.5	40	62	68	85	90	92	95
LQW15AN10N	10	38	60	65	75	82	85	84
LQW15AN11N	11	40	65	70	90	105	110	120
LQW15AN12N	12	40	60	62	80	85	90	91
LQW15AN13N	13	40	60	62	70	72	71	67
LQW15AN15N	15	40	60	65	80	85	88	90
LQW15AN16N	16	40	60	63	80	90	100	110
LQW15AN18N	18	40	63	65	80	88	87	85
LQW15AN19N	19	37	57	62	78	80	82	83
LQW15AN20N	20	37	57	62	78	80	82	83
LQW15AN22N	22	35	55	58	73	75	78	-
LQW15AN23N	23	35	55	58	73	75	78	-
LQW15AN24N	24	35	50	50	48	42	-	-
LQW15AN27N	27	35	55	56	60	58	-	-
LQW15AN30N	30	35	55	58	65	68	-	-
LQW15AN33N	33	35	55	56	60	53	-	-
LQW15AN36N	36	35	52	52	48	42	-	-
LQW15AN39N	39	35	55	56	62	-	-	-
LQW15AN40N	40	35	55	56	62	-	-	-
LQW15AN43N	43	35	55	56	62	-	-	-
LQW15AN47N	47	34	52	54	60	-	-	-
LQW15AN51N	51	34	52	54	60	-	-	-
LQW15AN56N	56	36	53	55	50	-	-	-
LQW15AN62N	62	33	51	52	-	-	-	-
LQW15AN68N	68	35	49	52	-	-	-	-
LQW15AN72N	72	33	49	52	-	-	-	-
LQW15AN75N	75	33	49	52	-	-	-	-
LQW15AN82N	82	35	49	50	-	-	-	-
LQW15AN91N	91	35	52	53	-	-	-	-
LQW15ANR10	100	30	43	43	-	-	-	-
LQW15ANR12	120	28	30	23	-	-	-	-

3

Chip Coils for High Frequency Horizontal Wire Wound



LQW15A_10 Series (High Q/Low DC Resistance Type) (0402 Size)

3

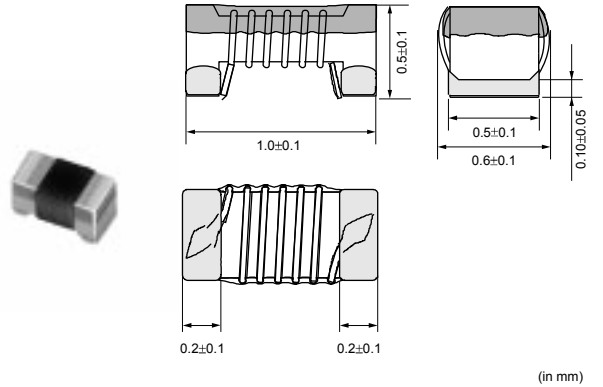
■ Features

Lower DC resistance approximately by 50% than current type. Higher Q by 20%, larger rated current by 20%.
 Inductance range: 1.3 to 5.6nH
 Inductance tolerance: +0.2 or 0.5nH
 Q (Typ.): 83 to 122 (at 1GHz)
 DC Resistance: 0.017 to 0.051 ohm
 Rated Current: 800 to 1200mA

■ Applications

1. Cellular phone (W-CDMA, GSM, N-CDMA, PDC, etc.)
2. Higher Q -- Matching circuit for antenna, SAWFIL
3. Lower Rdc -- Choke coil for IF, RF circuit like PA Equipment with high frequency circuits (Wireless LAN, etc.)

■ Dimension

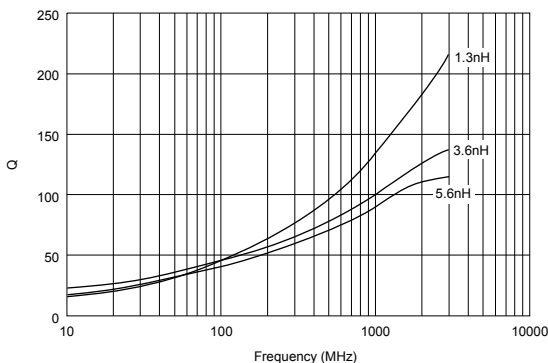


■ Rated Value (□: packaging code)

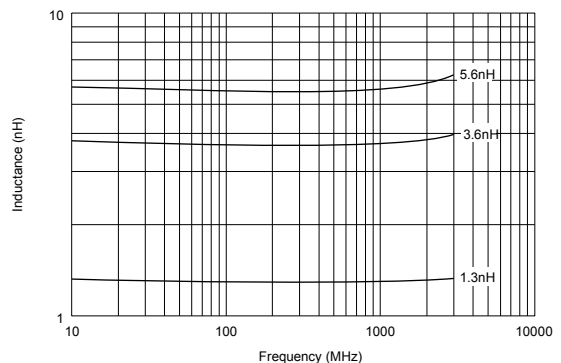
Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQW15AN1N3C10□	1.3nH±0.2nH	100MHz	1200mA	0.017ohm	20	250MHz	16.0GHz
LQW15AN1N3D10□	1.3nH±0.5nH	100MHz	1200mA	0.017ohm	20	250MHz	16.0GHz
LQW15AN2N2C10□	2.2nH±0.2nH	100MHz	1000mA	0.027ohm	25	250MHz	14.0GHz
LQW15AN2N2D10□	2.2nH±0.5nH	100MHz	1000mA	0.027ohm	25	250MHz	14.0GHz
LQW15AN2N4D10□	2.4nH±0.5nH	100MHz	1000mA	0.027ohm	25	250MHz	14.0GHz
LQW15AN3N3D10□	3.3nH±0.5nH	100MHz	900mA	0.040ohm	30	250MHz	12.0GHz
LQW15AN3N4C10□	3.4nH±0.2nH	100MHz	900mA	0.040ohm	30	250MHz	12.0GHz
LQW15AN3N4D10□	3.4nH±0.5nH	100MHz	900mA	0.040ohm	30	250MHz	12.0GHz
LQW15AN3N6C10□	3.6nH±0.2nH	100MHz	900mA	0.040ohm	30	250MHz	9.5GHz
LQW15AN3N6D10□	3.6nH±0.5nH	100MHz	900mA	0.040ohm	30	250MHz	9.5GHz
LQW15AN3N9D10□	3.9nH±0.5nH	100MHz	900mA	0.040ohm	30	250MHz	7.0GHz
LQW15AN4N7D10□	4.7nH±0.5nH	100MHz	800mA	0.051ohm	30	250MHz	8.0GHz
LQW15AN5N1C10□	5.1nH±0.2nH	100MHz	800mA	0.051ohm	30	250MHz	8.0GHz
LQW15AN5N1D10□	5.1nH±0.5nH	100MHz	800mA	0.051ohm	30	250MHz	8.0GHz
LQW15AN5N6C10□	5.6nH±0.2nH	100MHz	800mA	0.051ohm	30	250MHz	8.0GHz
LQW15AN5N6D10□	5.6nH±0.5nH	100MHz	800mA	0.051ohm	30	250MHz	8.0GHz

Operating Temperature Range: -55°C to +125°C Only for reflow soldering.

■ Q-Frequency Characteristics (Typ.)



■ Inductance-Frequency Characteristics (Typ.)



Continued on the following page. ↗

☐ Continued from the preceding page.

■ Reference Data

LQW15AN_10

E4991A & 16197A

Part Number	Inductance (nH)	Q (Typ.)						
	Nominal	800MHz	900MHz	1.0GHz	1.5GHz	1.8GHz	2.0GHz	2.4GHz
LQW15AN1N3	1.3	90	95	100	130	145	160	180
LQW15AN2N2	2.2	85	90	95	115	130	140	160
LQW15AN2N4	2.4	80	85	90	110	130	140	160
LQW15AN3N3	3.3	80	85	90	110	120	128	140
LQW15AN3N6	3.6	73	75	85	100	110	115	130
LQW15AN3N9	3.9	75	80	83	95	110	115	120
LQW15AN4N7	4.7	75	80	85	100	113	120	132
LQW15AN5N1	5.1	75	80	85	100	110	115	128
LQW15AN5N6	5.6	70	75	78	95	100	105	110

3