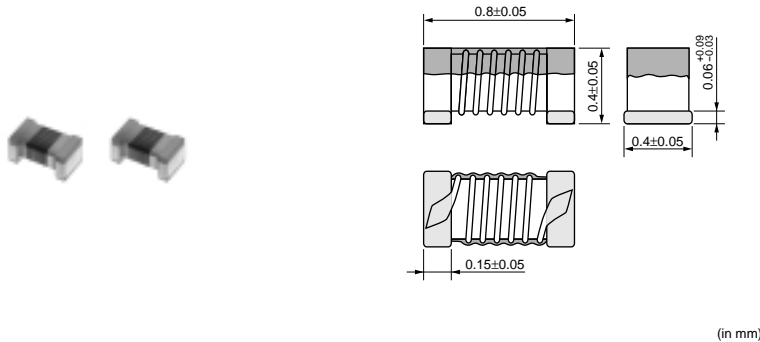


LQW04A Series (03015 Size)



03015 Size, Wound Type

■ Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	10000
B	Bulk(Bag)	500

Refer to pages from p.167 to p.170 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)	
LQW04AN1N1C00□	1.1nH±0.2nH	100MHz	990mA	0.03ohm	15	250MHz	20.0GHz	Kit
LQW04AN1N1D00□	1.1nH±0.5nH	100MHz	990mA	0.03ohm	15	250MHz	20.0GHz	
LQW04AN1N8C00□	1.8nH±0.2nH	100MHz	700mA	0.06ohm	15	250MHz	17.0GHz	Kit
LQW04AN1N8D00□	1.8nH±0.5nH	100MHz	700mA	0.06ohm	15	250MHz	17.0GHz	
LQW04AN2N7C00□	2.7nH±0.2nH	100MHz	570mA	0.07ohm	15	250MHz	15.0GHz	Kit
LQW04AN2N7D00□	2.7nH±0.5nH	100MHz	570mA	0.07ohm	15	250MHz	15.0GHz	
LQW04AN3N0C00□	3.0nH±0.2nH	100MHz	620mA	0.07ohm	15	250MHz	13.0GHz	Kit
LQW04AN3N0D00□	3.0nH±0.5nH	100MHz	620mA	0.07ohm	15	250MHz	13.0GHz	
LQW04AN3N3C00□	3.3nH±0.2nH	100MHz	440mA	0.14ohm	10	250MHz	10.0GHz	Kit
LQW04AN3N3D00□	3.3nH±0.5nH	100MHz	440mA	0.14ohm	10	250MHz	10.0GHz	
LQW04AN3N6C00□	3.6nH±0.2nH	100MHz	530mA	0.10ohm	15	250MHz	13.0GHz	Kit
LQW04AN3N6D00□	3.6nH±0.5nH	100MHz	530mA	0.10ohm	15	250MHz	13.0GHz	
LQW04AN3N9C00□	3.9nH±0.2nH	100MHz	530mA	0.10ohm	15	250MHz	12.0GHz	Kit
LQW04AN3N9D00□	3.9nH±0.5nH	100MHz	530mA	0.10ohm	15	250MHz	12.0GHz	
LQW04AN4N3C00□	4.3nH±0.2nH	100MHz	530mA	0.10ohm	15	250MHz	11.0GHz	Kit
LQW04AN4N3D00□	4.3nH±0.5nH	100MHz	530mA	0.10ohm	15	250MHz	11.0GHz	
LQW04AN4N7C00□	4.7nH±0.2nH	100MHz	440mA	0.14ohm	20	250MHz	10.0GHz	Kit
LQW04AN4N7D00□	4.7nH±0.5nH	100MHz	440mA	0.14ohm	20	250MHz	10.0GHz	
LQW04AN5N1C00□	5.1nH±0.2nH	100MHz	470mA	0.12ohm	20	250MHz	10.0GHz	Kit
LQW04AN5N1D00□	5.1nH±0.5nH	100MHz	470mA	0.12ohm	20	250MHz	10.0GHz	
LQW04AN5N6C00□	5.6nH±0.2nH	100MHz	470mA	0.12ohm	20	250MHz	9.0GHz	Kit
LQW04AN5N6D00□	5.6nH±0.5nH	100MHz	470mA	0.12ohm	20	250MHz	9.0GHz	
LQW04AN6N2C00□	6.2nH±0.2nH	100MHz	390mA	0.19ohm	20	250MHz	9.0GHz	Kit
LQW04AN6N2D00□	6.2nH±0.5nH	100MHz	390mA	0.19ohm	20	250MHz	9.0GHz	
LQW04AN6N8C00□	6.8nH±0.2nH	100MHz	440mA	0.14ohm	20	250MHz	9.0GHz	Kit
LQW04AN6N8D00□	6.8nH±0.5nH	100MHz	440mA	0.14ohm	20	250MHz	9.0GHz	
LQW04AN7N5C00□	7.5nH±0.2nH	100MHz	440mA	0.14ohm	20	250MHz	8.0GHz	Kit
LQW04AN7N5D00□	7.5nH±0.5nH	100MHz	440mA	0.14ohm	20	250MHz	8.0GHz	
LQW04AN8N2C00□	8.2nH±0.2nH	100MHz	350mA	0.23ohm	20	250MHz	8.0GHz	Kit
LQW04AN8N2D00□	8.2nH±0.5nH	100MHz	350mA	0.23ohm	20	250MHz	8.0GHz	


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

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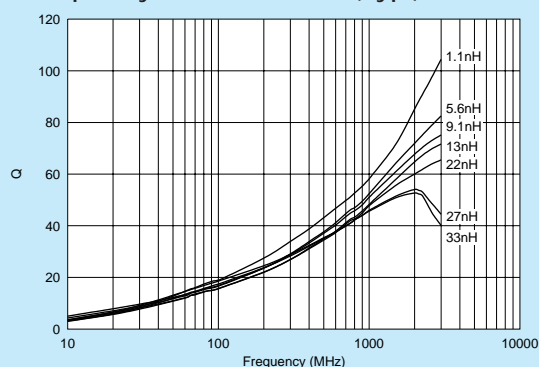
△Note • Please read rating and △CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC Resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)	
LQW04AN9N1C00□	9.1nH±0.2nH	100MHz	400mA	0.16ohm	20	250MHz	7.0GHz	Kit
LQW04AN9N1D00□	9.1nH±0.5nH	100MHz	400mA	0.16ohm	20	250MHz	7.0GHz	
LQW04AN10NH00□	10nH±3%	100MHz	330mA	0.26ohm	20	250MHz	7.0GHz	Kit
LQW04AN10NJ00□	10nH±5%	100MHz	330mA	0.26ohm	20	250MHz	7.0GHz	
LQW04AN11NH00□	11nH±3%	100MHz	310mA	0.28ohm	15	250MHz	7.0GHz	Kit
LQW04AN11NJ00□	11nH±5%	100MHz	310mA	0.28ohm	15	250MHz	7.0GHz	
LQW04AN12NH00□	12nH±3%	100MHz	310mA	0.28ohm	15	250MHz	6.0GHz	Kit
LQW04AN12NJ00□	12nH±5%	100MHz	310mA	0.28ohm	15	250MHz	6.0GHz	
LQW04AN13NH00□	13nH±3%	100MHz	280mA	0.34ohm	15	250MHz	6.0GHz	Kit
LQW04AN13NJ00□	13nH±5%	100MHz	280mA	0.34ohm	15	250MHz	6.0GHz	
LQW04AN15NH00□	15nH±3%	100MHz	240mA	0.48ohm	15	250MHz	5.5GHz	Kit
LQW04AN15NJ00□	15nH±5%	100MHz	240mA	0.48ohm	15	250MHz	5.5GHz	
LQW04AN16NH00□	16nH±3%	100MHz	270mA	0.38ohm	15	250MHz	5.5GHz	Kit
LQW04AN16NJ00□	16nH±5%	100MHz	270mA	0.38ohm	15	250MHz	5.5GHz	
LQW04AN18NH00□	18nH±3%	100MHz	220mA	0.54ohm	15	250MHz	5.0GHz	Kit
LQW04AN18NJ00□	18nH±5%	100MHz	220mA	0.54ohm	15	250MHz	5.0GHz	
LQW04AN19NH00□	19nH±3%	100MHz	160mA	0.73ohm	15	250MHz	5.0GHz	Kit
LQW04AN19NJ00□	19nH±5%	100MHz	160mA	0.73ohm	15	250MHz	5.0GHz	
LQW04AN20NH00□	20nH±3%	100MHz	210mA	0.56ohm	15	250MHz	5.0GHz	Kit
LQW04AN20NJ00□	20nH±5%	100MHz	210mA	0.56ohm	15	250MHz	5.0GHz	
LQW04AN22NH00□	22nH±3%	100MHz	200mA	0.63ohm	15	250MHz	5.0GHz	Kit
LQW04AN22NJ00□	22nH±5%	100MHz	200mA	0.63ohm	15	250MHz	5.0GHz	
LQW04AN23NH00□	23nH±3%	100MHz	160mA	0.95ohm	15	250MHz	4.0GHz	Kit
LQW04AN23NJ00□	23nH±5%	100MHz	160mA	0.95ohm	15	250MHz	4.0GHz	
LQW04AN24NH00□	24nH±3%	100MHz	160mA	0.95ohm	15	250MHz	4.0GHz	Kit
LQW04AN24NJ00□	24nH±5%	100MHz	160mA	0.95ohm	15	250MHz	4.0GHz	
LQW04AN25NH00□	25nH±3%	100MHz	160mA	0.95ohm	15	250MHz	4.0GHz	Kit
LQW04AN25NJ00□	25nH±5%	100MHz	160mA	0.95ohm	15	250MHz	4.0GHz	
LQW04AN27NH00□	27nH±3%	100MHz	160mA	0.95ohm	15	250MHz	4.0GHz	Kit
LQW04AN27NJ00□	27nH±5%	100MHz	160mA	0.95ohm	15	250MHz	4.0GHz	
LQW04AN33NH00□	33nH±3%	100MHz	140mA	1.11ohm	15	250MHz	4.0GHz	Kit
LQW04AN33NJ00□	33nH±5%	100MHz	140mA	1.11ohm	15	250MHz	4.0GHz	

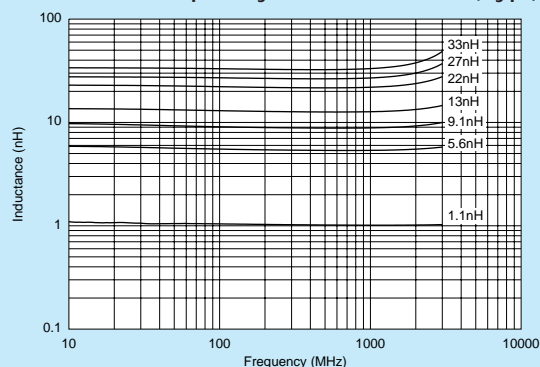
Operating Temperature Range: -55°C to +125°C Only for reflow soldering.

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■ Q-Frequency Characteristics (Typ.)



■ Inductance-Frequency Characteristics (Typ.)



■ Reference Data

Part Number	Inductance (nH) Nominal	Q (Typ.)						
		300MHz	800MHz	900MHz	1.5GHz	1.8GHz	2.0GHz	2.4GHz
LQW04AN1N1	1.1	32	61	65	72	79	85	92
LQW04AN1N8	1.8	30	48	52	67	75	80	88
LQW04AN2N7	2.7	28	46	50	65	70	75	85
LQW04AN3N0	3.0	29	47	50	65	70	75	85
LQW04AN3N3	3.3	24	40	43	57	62	64	69
LQW04AN3N6	3.6	28	46	48	64	69	72	78
LQW04AN3N9	3.9	27	46	48	64	69	72	79
LQW04AN4N3	4.3	29	47	50	64	69	73	79
LQW04AN4N7	4.7	26	43	45	58	63	67	72
LQW04AN5N1	5.1	30	47	49	62	69	72	80
LQW04AN5N6	5.6	29	47	49	62	69	72	79
LQW04AN6N2	6.2	26	42	45	58	63	65	70
LQW04AN6N8	6.8	28	45	48	60	66	68	74
LQW04AN7N5	7.5	28	45	47	60	66	67	70
LQW04AN8N2	8.2	27	43	45	57	61	63	67
LQW04AN9N1	9.1	28	45	47	58	65	66	68
LQW04AN10N	10	27	43	46	56	61	63	65
LQW04AN11N	11	27	43	46	58	63	65	67
LQW04AN12N	12	28	44	47	58	63	64	66
LQW04AN13N	13	27	44	46	58	62	64	66
LQW04AN15N	15	27	43	45	55	59	60	61
LQW04AN16N	16	27	43	47	56	60	61	61
LQW04AN18N	18	27	42	45	55	57	58	57
LQW04AN20N	20	27	42	45	54	57	58	55
LQW04AN22N	22	27	42	46	54	56	57	55
LQW04AN27N	27	30	42	44	50	51	50	47
LQW04AN33N	33	30	43	45	52	52	50	47

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