

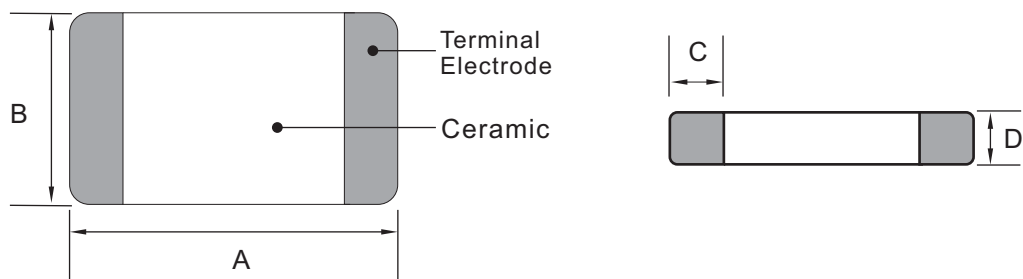
Multilayer Ceramic Chip Inductor



Features and Applications

- Provide high quality factor.
- Support operating frequency up to 10GHz.
- Monolithic structure for high reliability.
- Excellent solderability and high heat resistance for either flow or reflow soldering.
- Tablet, notebook, desktop computer, Mobile phone, smart phone, PND.
- Digital communication equipment.
- Various automotive electronics.

Dimensions (Unit:mm)



Type	A	B	C	D(Ref.)
HMCi0201	0.6±0.03	0.3±0.03	0.3±0.03	0.1~0.2
HMCi0402	1.0±0.05	0.5±0.05	0.5±0.05	0.1~0.3
HMCi0603	1.6±0.15	0.8±0.15	0.8±0.15	0.2~0.6
HMCi0805	2.0±0.2	1.25±0.2	~	0.2~0.8

Electrical Specifications-HMCI0201

P/N	Inductance (nH)	Q (Min)	Test Freq. (MHz)	SRF(Min) (GHz)	DCR(Max) (Ω)	IDC(Max) (mA)
HMCI0201-1N0S	1.0±0.3	4	100	10	0.14	250
HMCI0201-1N2S	1.2±0.3	4	100	10	0.14	250
HMCI0201-1N5S	1.5±0.3	4	100	10	0.18	230
HMCI0201-1N8S	1.8±0.3	4	100	10	0.19	200
HMCI0201-2N2S	2.2±0.3	4	100	8.8	0.22	200
HMCI0201-2N7S	2.7±0.3	5	100	7.7	0.25	200
HMCI0201-3N3S	3.3±0.3	5	100	6.7	0.3	180
HMCI0201-3N9S	3.9±0.3	5	100	6	0.3	170
HMCI0201-4N7S	4.7±0.3	5	100	5.3	0.4	150
HMCI0201-5N1S	5.1±0.3	5	100	4.7	0.4	150
HMCI0201-5N6S	5.6±0.3	5	100	4.2	0.4	150
HMCI0201-6N8J	6.8±5%	5	100	3.5	0.5	150
HMCI0201-8N2J	8.2±5%	5	100	3.2	0.55	150
HMCI0201-10NJ	10±5%	5	100	2.8	0.65	150
HMCI0201-12NJ	12±5%	5	100	2.4	0.7	100
HMCI0201-15NJ	15±5%	5	100	2.2	0.8	100
HMCI0201-18NJ	18±5%	5	100	2.1	0.9	100
HMCI0201-22NJ	22±5%	5	100	1.8	1.2	100
HMCI0201-27NJ	27±5%	4	100	1.8	1.8	50
HMCI0201-33NJ	33±5%	4	100	1.7	2.1	50
HMCI0201-39NJ	39±5%	4	100	1.5	2.4	50

Electrical Specifications-HMCI0402

P/N	Inductance (nH)	Q (Min)	Test Freq. (MHz)	SRF(Min) (GHz)	DCR(Max) (Ω)	IDC(Max) (mA)
HMCI0402-1N0S	1.0±0.3	8	100	10	0.1	400
HMCI0402-1N1S	1.1±0.3	8	100	10	0.1	400
HMCI0402-1N2S	1.2±0.3	8	100	10	0.1	400
HMCI0402-1N3S	1.3±0.3	8	100	10	0.1	400
HMCI0402-1N5S	1.5±0.3	8	100	6	0.1	300
HMCI0402-1N6S	1.6±0.3	8	100	6	0.1	300
HMCI0402-1N8S	1.8±0.3	8	100	6	0.2	300
HMCI0402-2N0S	2.0±0.3	8	100	6	0.2	300
HMCI0402-2N2S	2.2±0.3	8	100	6	0.2	300
HMCI0402-2N4S	2.4±0.3	8	100	6	0.2	300
HMCI0402-2N7S	2.7±0.3	8	100	6	0.2	300
HMCI0402-3N0S	3.0±0.3	8	100	6	0.2	300
HMCI0402-3N3S	3.3±0.3	8	100	6	0.2	300
HMCI0402-3N6S	3.6±0.3	8	100	4	0.2	300
HMCI0402-3N9S	3.9±0.3	8	100	4	0.2	300
HMCI0402-4N3S	4.3±0.3	8	100	4	0.2	300
HMCI0402-4N7S	4.7±0.3	8	100	4	0.2	300
HMCI0402-5N1S	5.1±0.3	8	100	4	0.3	300
HMCI0402-5N6S	5.6±0.3	8	100	4	0.3	300
HMCI0402-6N2S	6.2±0.3	8	100	3.9	0.3	300
HMCI0402-6N8J	6.8±5%	8	100	3.9	0.3	300
HMCI0402-7N5J	7.5±5%	8	100	3.7	0.4	300
HMCI0402-8N2J	8.2±5%	8	100	3.6	0.4	300
HMCI0402-9N1J	9.1±5%	8	100	3.4	0.4	300

Electrical Specifications-HMCI0402

P/N	Inductance (nH)	Q (Min)	Test Freq. (MHz)	SRF(Min) (GHz)	DCR(Max) (Ω)	IDC(Max) (mA)
HMCI0402-10NJ	10±5%	8	100	3.2	0.4	300
HMCI0402-12NJ	12±5%	8	100	2.7	0.5	300
HMCI0402-15NJ	15±5%	8	100	2.3	0.5	300
HMCI0402-18NJ	18±5%	8	100	2.1	0.6	300
HMCI0402-22NJ	22±5%	8	100	1.9	0.6	300
HMCI0402-27NJ	27±5%	8	100	1.6	0.7	300
HMCI0402-33NJ	33±5%	8	100	1.3	0.8	200
HMCI0402-39NJ	39±5%	8	100	1.2	1	200
HMCI0402-43NJ	43±5%	8	100	1.1	1.1	200
HMCI0402-47NJ	47±5%	8	100	1	1.1	200
HMCI0402-56NJ	56±5%	8	100	0.75	1.2	200
HMCI0402-68NJ	68±5%	8	100	0.75	1.4	180
HMCI0402-82NJ	82±5%	8	100	0.6	2.4	150
HMCI0402-R10J	100±5%	8	100	0.6	2.6	150
HMCI0402-R12J	120±5%	8	100	0.6	2.8	150
HMCI0402-R15J	150±5%	8	100	0.55	3.2	100
HMCI0402-R18J	180±5%	8	100	0.5	3.7	100
HMCI0402-R22J	220±5%	8	100	0.45	4	100
HMCI0402-R27J	270±5%	8	100	0.4	4.5	100
HMCI0402-R30J	300±5%	6	50	0.35	7	50
HMCI0402-R33J	330±5%	6	50	0.35	7	50
HMCI0402-R36J	360±5%	6	50	0.3	7.5	50

Electrical Specifications-HMCI0603

P/N	Inductance (nH)	Q (Min)	Test Freq. (MHz)	SRF(Min) (GHz)	DCR(Max) (Ω)	IDC(Max) (mA)
HMCI0603-1N0S	1.0±0.3	8	100	10	0.05	300
HMCI0603-1N2S	1.2±0.3	8	100	10	0.05	300
HMCI0603-1N5S	1.5±0.3	8	100	6	0.1	300
HMCI0603-1N8S	1.8±0.3	8	100	6	0.1	300
HMCI0603-2N2S	2.2±0.3	8	100	6	0.1	300
HMCI0603-2N7S	2.7±0.3	10	100	6	0.1	300
HMCI0603-3N3S	3.3±0.3	10	100	6	0.12	300
HMCI0603-3N9S	3.9±0.3	10	100	6	0.14	300
HMCI0603-4N7S	4.7±0.3	10	100	4	0.16	300
HMCI0603-5N6S	5.6±0.3	10	100	4	0.18	300
HMCI0603-6N8J	6.8±5%	10	100	4	0.22	300
HMCI0603-8N2J	8.2±5%	10	100	3.5	0.24	300
HMCI0603-10NJ	10±5%	12	100	3.4	0.26	300
HMCI0603-12NJ	12±5%	12	100	2.6	0.28	300
HMCI0603-15NJ	15±5%	12	100	2.3	0.32	300
HMCI0603-18NJ	18±5%	12	100	2	0.35	300
HMCI0603-22NJ	22±5%	12	100	1.6	0.4	300
HMCI0603-27NJ	27±5%	12	100	1.4	0.45	300
HMCI0603-33NJ	33±5%	12	100	1.2	0.55	300
HMCI0603-39NJ	39±5%	12	100	1.1	0.6	300
HMCI0603-47NJ	47±5%	12	100	0.9	0.7	300
HMCI0603-56NJ	56±5%	12	100	0.9	0.75	300
HMCI0603-68NJ	68±5%	12	100	0.7	0.85	300
HMCI0603-82NJ	82±5%	12	100	0.6	0.95	300
HMCI0603-R10J	100±5%	12	100	0.6	1	300
HMCI0603-R12J	120±5%	8	50	0.5	1.2	300
HMCI0603-R15J	150±5%	8	50	0.5	1.6	200
HMCI0603-R18J	180±5%	8	50	0.4	1.9	200
HMCI0603-R22J	220±5%	8	50	0.65	2.4	200
HMCI0603-R27J	270±5%	8	50	0.35	2.6	150
HMCI0603-R33J	330±5%	8	50	0.35	2.8	150
HMCI0603-R39J	390±5%	8	50	0.3	3.2	150
HMCI0603-R43J	430±5%	8	50	0.28	3.4	150
HMCI0603-R47J	470±5%	8	50	0.25	3.6	150
HMCI0603-R56J	560±5%	8	50	0.25	4	100
HMCI0603-R68J	680±5%	8	50	0.25	4.5	100

Electrical Specifications-HMCI0805

P/N	Inductance (nH)	Q (Min)	Test Freq. (MHz)	SRF(Min) (GHz)	DCR(Max) (Ω)	IDC(Max) (mA)
HMCI0805-1N0S	1.0±0.3	10	100	10	0.1	300
HMCI0805-1N2S	1.2±0.3	10	100	10	0.1	300
HMCI0805-1N5S	1.5±0.3	10	100	4	0.1	300
HMCI0805-1N8S	1.8±0.3	10	100	4	0.1	300
HMCI0805-2N2S	2.2±0.3	10	100	4	0.1	300
HMCI0805-2N7S	2.7±0.3	12	100	4	0.1	300
HMCI0805-3N3S	3.3±0.3	12	100	4	0.13	300
HMCI0805-3N9S	3.9±0.3	12	100	4	0.15	300
HMCI0805-4N7S	4.7±0.3	12	100	3.5	0.2	300
HMCI0805-5N6S	5.6±0.3	15	100	3.2	0.23	300
HMCI0805-6N8J	6.8±5%	15	100	2.8	0.25	300
HMCI0805-8N2J	8.2±5%	15	100	2.4	0.28	300
HMCI0805-10NJ	10±5%	15	100	2.1	0.3	300
HMCI0805-12NJ	12±5%	15	100	1.9	0.35	300
HMCI0805-15NJ	15±5%	15	100	1.6	0.4	300
HMCI0805-18NJ	18±5%	15	100	1.5	0.45	300
HMCI0805-22NJ	22±5%	18	100	1.4	0.5	300
HMCI0805-27NJ	27±5%	18	100	1.3	0.55	300
HMCI0805-33NJ	33±5%	18	100	1.2	0.6	300
HMCI0805-39NJ	39±5%	18	100	1	0.65	300
HMCI0805-47NJ	47±5%	18	100	0.9	0.7	300
HMCI0805-56NJ	56±5%	18	100	0.8	0.75	300
HMCI0805-68NJ	68±5%	18	100	0.7	0.8	300
HMCI0805-82NJ	82±5%	18	100	0.6	0.9	300
HMCI0805-R10J	100±5%	18	100	0.6	0.9	300
HMCI0805-R12J	120±5%	13	50	0.5	0.95	300
HMCI0805-R15J	150±5%	13	50	0.5	1	300
HMCI0805-R18J	180±5%	13	50	0.4	1.1	300
HMCI0805-R22J	220±5%	12	50	0.35	1.2	300
HMCI0805-R27J	270±5%	12	50	0.3	1.3	300
HMCI0805-R33J	330±5%	12	50	0.25	1.4	300
HMCI0805-R39J	390±5%	10	50	0.25	1.4	300
HMCI0805-R47J	470±5%	10	50	0.2	4	200
HMCI0805-R56J	560±5%	10	25	0.18	5	50
HMCI0805-R68J	680±5%	10	25	0.16	5.5	50