

MCI Series

Multilayer Ceramic SMD Inductor

Size 0201



CHARACTERISTICS

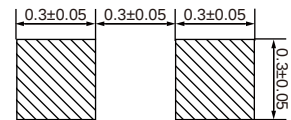
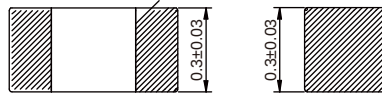
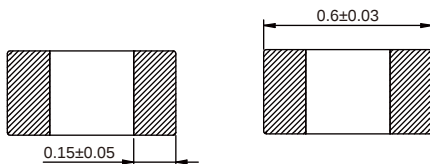
- Multilayer design with ceramic design
- High SRF up to 13GHz
- Small size and small tolerance available
- Quantity: 15000pcs

APPLICATION

- HF application

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (nH)	Tolerance	Q Typ. @500 MHz	Q Typ. @800 MHz	Q Typ. @1800 MHz	Temperature Rise Current Max. (mA)	DCR Typ. (Ω)	DCR Max. (Ω)	SRF Min. (MHz)
MCI0201-1N0S	1.0	±0.3 nH	13	17	26	300	0.06	0.12	13000
MCI0201-1N2S	1.2	±0.3 nH	14	17	26	300	0.10	0.15	13000
MCI0201-1N5S	1.5	±0.3 nH	14	17	26	300	0.12	0.18	13000
MCI0201-1N8S	1.8	±0.3 nH	15	17	28	300	0.14	0.22	10500
MCI0201-2N2S	2.2	±0.3 nH	15	18	28	300	0.15	0.26	9500
MCI0201-2N7S	2.7	±0.3 nH	16	18	28	300	0.17	0.32	8500
MCI0201-3N3S	3.3	±0.3 nH	16	19	28	300	0.19	0.38	7500
MCI0201-3N9S	3.9	±0.3 nH	16	20	26	300	0.23	0.45	6800
MCI0201-4N7S	4.7	±0.3 nH	16	20	26	300	0.27	0.50	6000
MCI0201-5N6S	5.6	±0.3 nH	16	20	25	300	0.29	0.60	5500
MCI0201-6N8J	6.8	±5%	16	20	25	250	0.30	0.70	4800
MCI0201-8N2J	8.2	±5%	16	20	23	250	0.52	0.90	4600
MCI0201-10NJ	10	±5%	16	20	23	250	0.58	1.20	4000
MCI0201-12NJ	12	±5%	16	19	22	250	0.60	1.30	3500
MCI0201-15NJ	15	±5%	15	19	18	250	0.70	1.40	3000
MCI0201-18NJ	18	±5%	15	19	16	200	0.80	1.50	2500
MCI0201-22NJ	22	±5%	14	18	15	200	1.00	1.80	2200

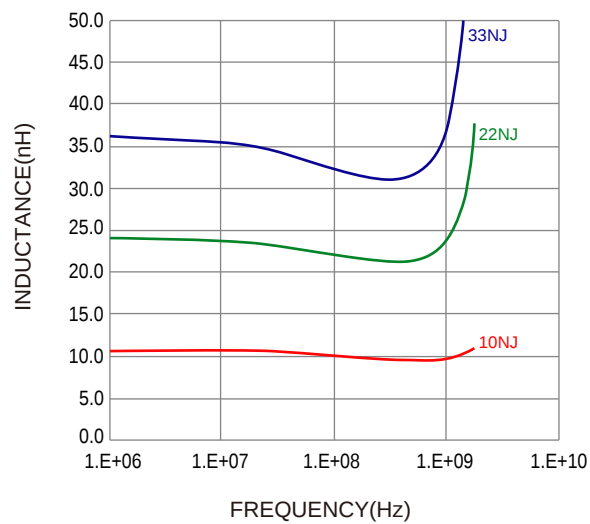
	Inductance (nH)	Tolerance	Q Typ. @500 MHz	Q Typ. @800 MHz		Temperature Rise Current Max. (mA)			
MCI0201-27NJ	27	±5%	13	18	9	200	1.16	2.00	1800
MCI0201-33NJ	33	±5%	13	17	7	200	1.50	2.30	1500
MCI0201-39NJ	39	±5%	14	16	-	200	1.60	2.50	1400

Operating Temperature : -40 ~ +100 °C

Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T 20^{\circ}\text{C}$

Typical Electrical Characteristics:

Inductance VS. Frequency Characteristics:



Q VS. Frequency Characteristics:

