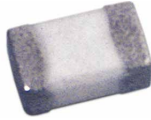


MCI Series

Multilayer Ceramic SMD Inductor Size 0402



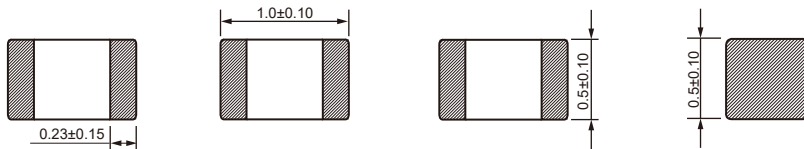
CHARACTERISTICS

- Multilayer design with ceramic design
- High SRF up to 15Ghz
- Small size and small tolerance available
- Quantity: 10000pcs

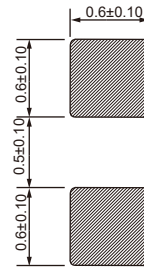
APPLICATION

- HF application

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (nH)	Tolerance	Q Min.	Temperature Rise Current Max. (mA)	DCR Max. (Ω)	SRF Typ. (MHz)
MCI0402-1N0S	1.0	±0.3 nH	8	300	0.12	15000
MCI0402-1N2S	1.2	±0.3 nH	8	300	0.12	15000
MCI0402-1N5S	1.5	±0.3 nH	8	300	0.13	15000
MCI0402-1N8S	1.8	±0.3 nH	8	300	0.14	14000
MCI0402-2N2S	2.2	±0.3 nH	8	300	0.16	12000
MCI0402-2N7S	2.7	±0.3 nH	8	300	0.17	9500
MCI0402-3N3S	3.3	±0.3 nH	8	300	0.19	8500
MCI0402-3N9S	3.9	±0.3 nH	8	300	0.22	7000
MCI0402-4N7S	4.7	±0.3 nH	8	300	0.24	6000
MCI0402-5N6S	5.6	±0.3 nH	8	300	0.27	5400
MCI0402-6N8J	6.8	±5%	8	250	0.32	5000
MCI0402-8N2J	8.2	±5%	8	250	0.4	4600
MCI0402-10NJ	10	±5%	8	250	0.45	3700
MCI0402-12NJ	12	±5%	8	250	0.5	3200
MCI0402-15NJ	15	±5%	8	250	0.6	3100
MCI0402-18NJ	18	±5%	8	200	0.65	2900
MCI0402-22NJ	22	±5%	8	200	0.8	2100
MCI0402-27NJ	27	±5%	8	200	0.9	1900

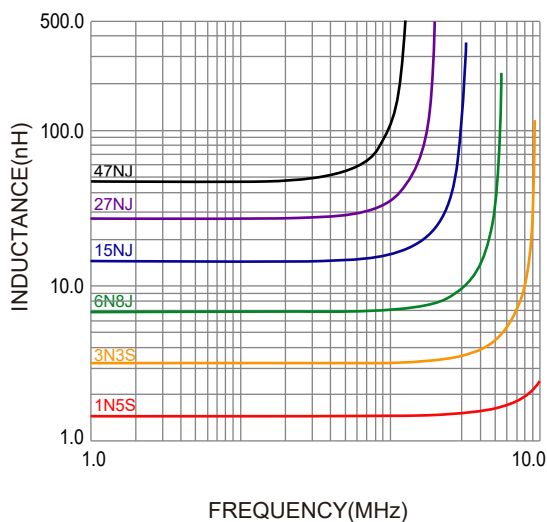
Part No	Inductance (nH)	Tolerance	Q Min.	Temperature Rise Current Max. (mA)	DCR Max. (Ω)	SRF Typ. (MHz)
MCI0402-33NJ	33	$\pm 5\%$	8	200	1.0	1600
MCI0402-39NJ	39	$\pm 5\%$	8	150	1.2	1400
MCI0402-47NJ	47	$\pm 5\%$	8	150	1.3	1200
MCI0402-56NJ	56	$\pm 5\%$	8	150	2.0	1100
MCI0402-68NJ	68	$\pm 5\%$	8	100	2.2	1000
MCI0402-82NJ	82	$\pm 5\%$	8	100	2.5	900
MCI0402-R10J	100	$\pm 5\%$	8	100	2.5	850
MCI0402-R12J	120	$\pm 5\%$	8	100	2.5	750

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:



Temperature Rise VS. Frequency Characteristics:

