

WIS Series

Wound Chip Inductor

Size 1210



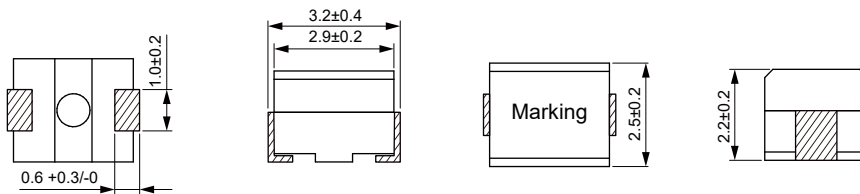
CHARACTERISTICS

- Small size and higher inductance available
- Small tolerance available
- Quantity: 1000pcs

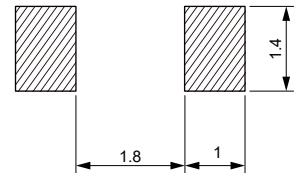
APPLICATION

- Filter
- General circuit application

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (μH)	Tolerance	Q Min.	Test Freq (MHz)	SRF Typ. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA)
WIS1210-R12K	0.12	±10%	30	25.2	875	0.22	450
WIS1210-R15K	0.15	±10%	30	25.2	860	0.25	450
WIS1210-R18K	0.18	±10%	30	25.2	685	0.28	450
WIS1210-R22K	0.22	±10%	30	25.2	560	0.32	450
WIS1210-R27K	0.27	±10%	30	25.2	525	0.36	450
WIS1210-R33K	0.33	±10%	30	25.2	520	0.4	450
WIS1210-R39K	0.39	±10%	30	25.2	470	0.45	450
WIS1210-R47K	0.47	±10%	30	25.2	430	0.5	450
WIS1210-R56K	0.56	±10%	30	25.2	395	0.55	450
WIS1210-R68K	0.68	±10%	30	25.2	370	0.6	450
WIS1210-R82K	0.82	±10%	30	25.2	310	0.65	450
WIS1210-1R0K	1.0	±10%	30	7.96	295	0.7	400
WIS1210-1R2K	1.2	±10%	30	7.96	255	0.75	390
WIS1210-1R5K	1.5	±10%	30	7.96	160	0.85	370
WIS1210-1R8K	1.8	±10%	30	7.96	125	0.9	350

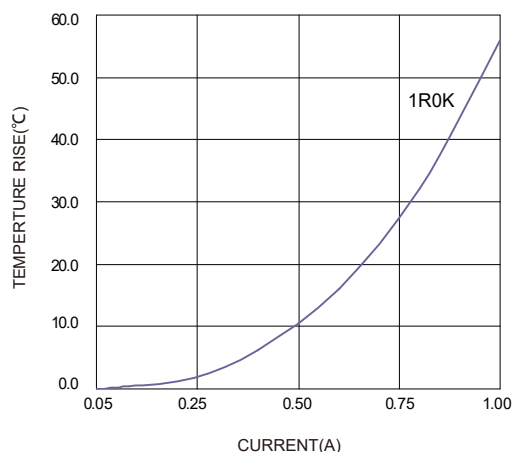
Part No	Inductance (μH)	Tolerance	Q Min.	Test Freq (MHz)	SRF Typ. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA)
WIS1210-2R2K	2.2	±10%	30	7.96	100	1.0	320
WIS1210-2R7K	2.7	±10%	30	7.96	65	1.1	290
WIS1210-3R3K	3.3	±10%	30	7.96	55	1.2	260
WIS1210-3R9K	3.9	±10%	30	7.96	50	1.3	250
WIS1210-4R7K	4.7	±10%	30	7.96	45	1.5	220
WIS1210-5R6K	5.6	±10%	30	7.96	40	1.6	200
WIS1210-6R8K	6.8	±10%	30	7.96	35	1.8	180
WIS1210-8R2K	8.2	±10%	30	7.96	30	2.0	170
WIS1210-100K	10	±10%	30	2.52	30	2.1	150
WIS1210-120K	12	±10%	30	2.52	28	2.5	140
WIS1210-150K	15	±10%	30	2.52	25	2.8	130
WIS1210-180K	18	±10%	30	2.52	22	3.3	120
WIS1210-220K	22	±10%	30	2.52	19	3.7	110
WIS1210-270K	27	±10%	30	2.52	18	5.0	80
WIS1210-330K	33	±10%	30	2.52	17	5.6	70
WIS1210-390K	39	±10%	30	2.52	15	6.4	65
WIS1210-470K	47	±10%	30	2.52	14	7.0	60
WIS1210-560K	56	±10%	30	2.52	13	8.0	55
WIS1210-680K	68	±10%	30	2.52	11	9.0	50
WIS1210-820K	82	±10%	30	2.52	10	10.0	45
WIS1210-101K	100	±10%	20	0.796	9	11.0	40
WIS1210-121K	120	±10%	20	0.796	8	11.0	70
WIS1210-151K	150	±10%	20	0.796	7	15.0	65

Operating temperature : -40 °C to +125 °C

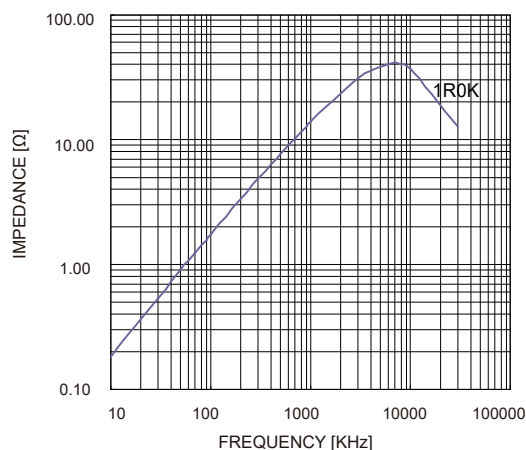
Temperature rise current the actual value of DC current when the temperature rise is ΔT20 °C

Typical Electrical Characteristics:

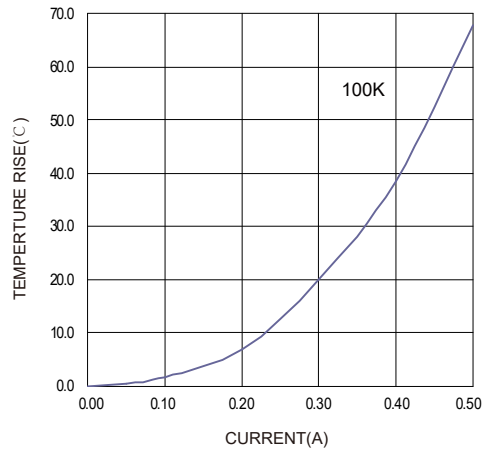
Temperature Rise VS. Current Characteristics:



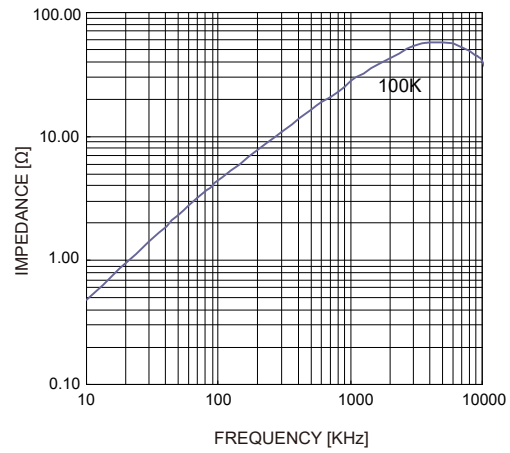
Impedance VS. Frequency Characteristics:



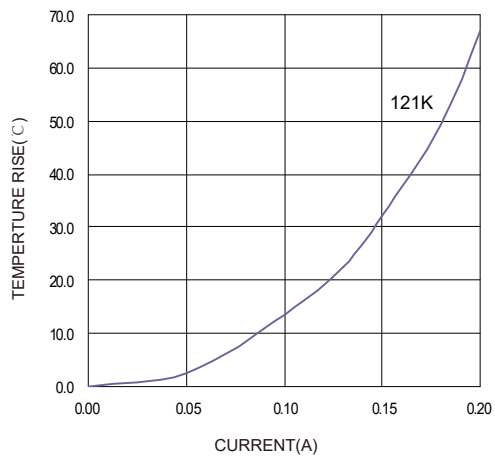
Temperature Rise VS. Current Characteristics:



Impedance VS. Frequency Characteristics:



Temperature Rise VS. Current Characteristics:



Impedance VS. Frequency Characteristics:

