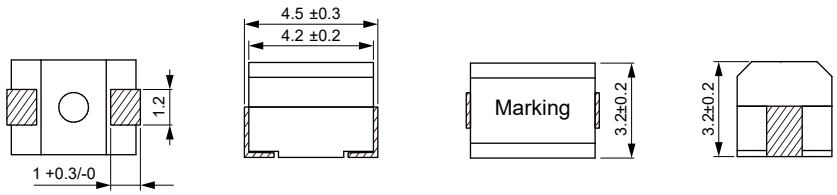
WIS Series
Wound Chip Inductor
Size 1812

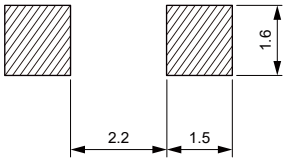
CHARACTERISTICS
- Small size and higer inductance available
- Small tolerance available
- Quantity: 500pcs

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)
WIS1812-R10K	0.1	±10%	35	25.2	780	0.18	800
WIS1812-R33K	0.33	±10%	40	25.2	425	0.28	605
WIS1812-R68K	0.68	±10%	40	25.2	300	0.4	500
WIS1812-R82K	0.82	±10%	40	25.2	275	0.45	475
WIS1812-1R0K	1.0	±10%	50	7.96	250	0.5	450
WIS1812-1R2K	1.2	±10%	50	7.96	240	0.55	430
WIS1812-1R5K	1.5	±10%	50	7.96	210	0.6	410
WIS1812-1R8K	1.8	±10%	50	7.96	190	0.65	390
WIS1812-2R2K	2.2	±10%	50	7.96	160	0.7	380
WIS1812-3R3K	3.3	±10%	50	7.96	110	0.8	355
WIS1812-3R9K	3.9	±10%	50	7.96	100	0.9	330
WIS1812-4R7K	4.7	±10%	50	7.96	80	1.0	315
WIS1812-5R6K	5.6	±10%	50	7.96	50	1.1	300
WIS1812-6R8K	6.8	±10%	50	7.96	35	1.2	285
WIS1812-8R2K	8.2	±10%	50	7.96	28	1.4	270
WIS1812-100K	10	±10%	50	2.52	22	1.6	250
WIS1812-120K	12	±10%	50	2.52	20	2.0	225
WIS1812-150K	15	±10%	50	2.52	18	2.5	200

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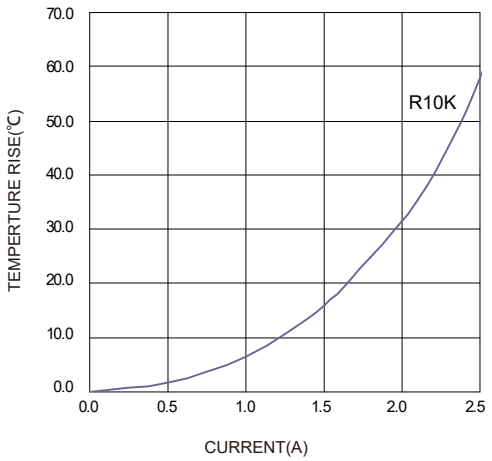
Part No	Inductance (μH)	Tolerance	Q Min.	Test Freq (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA)
WIS1812-180K	18	±10%	50	2.52	16	2.8	190
WIS1812-220K	22	±10%	50	2.52	14	3.2	180
WIS1812-270K	27	±10%	50	2.52	13	3.6	170
WIS1812-330K	33	±10%	50	2.52	12	4.0	160
WIS1812-390K	39	±10%	50	2.52	11	4.5	150
WIS1812-470K	47	±10%	50	2.52	10.5	5.0	140
WIS1812-560K	56	±10%	50	2.52	10	5.5	135
WIS1812-680K	68	±10%	50	2.52	9.5	6.0	130
WIS1812-820K	82	±10%	50	2.52	8.5	7.0	120
WIS1812-101K	100	±10%	40	0.796	8	8.0	110
WIS1812-121K	120	±10%	40	0.796	7	8.0	110
WIS1812-151K	150	±10%	40	0.796	6	9.0	105
WIS1812-181K	180	±10%	40	0.796	5.5	9.5	102
WIS1812-221K	220	±10%	40	0.796	5.0	10	100
WIS1812-271K	270	±10%	40	0.796	4.5	12	92
WIS1812-331K	330	±10%	40	0.796	4.0	14	85
WIS1812-391K	390	±10%	40	0.796	3.5	18	80
WIS1812-471K	470	±10%	40	0.796	3.5	26	62
WIS1812-561K	560	±10%	30	0.796	3	30	50
WIS1812-681K	680	±10%	30	0.796	3	30	50
WIS1812-821K	820	±10%	30	0.796	2.5	35	30
WIS1812-102K	1000	±10%	20	0.252	2.5	40	30

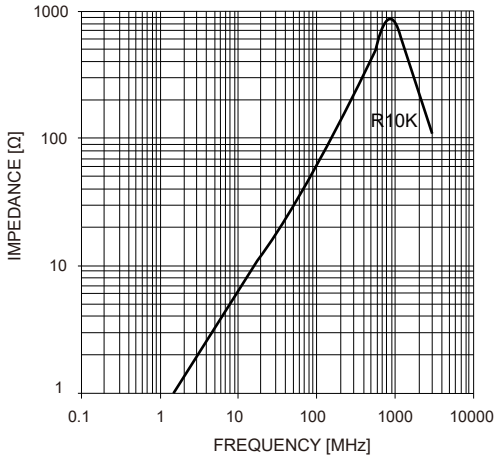
Operating temperature : -40 ℃ to +125 ℃
Temperature rise current the actual value of DC current when the temperature rise is ΔT20 ℃

Typical Electrical Characteristics:

Temperture Rise VS. Current Characteristics:



Impedance VS. Frequency Characteristics:



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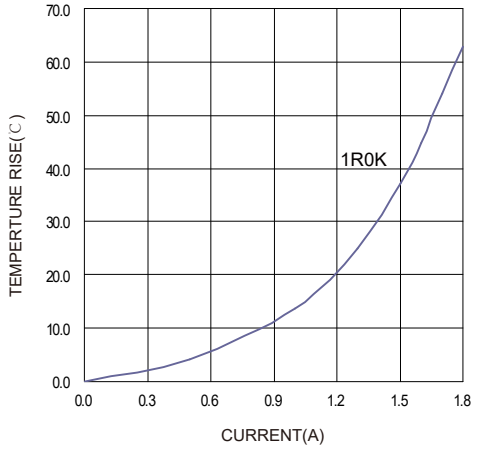
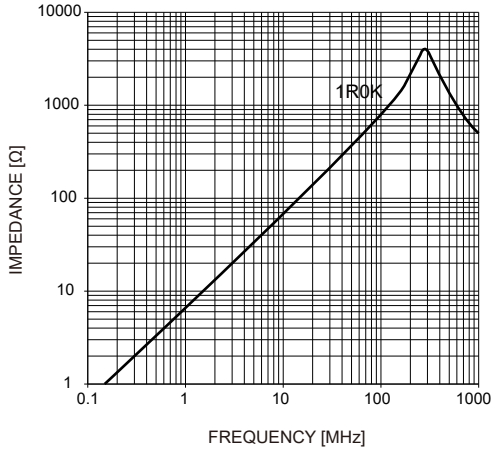
Temperture Rise VS. Current Characteristics:



Impedance VS. Frequency Characteristics:



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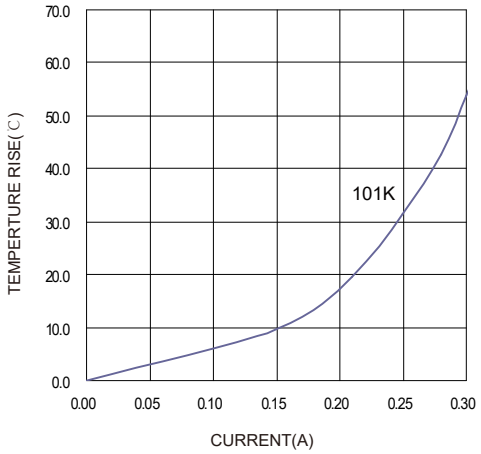

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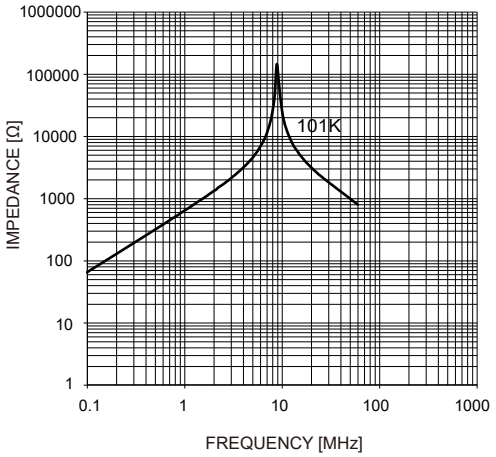

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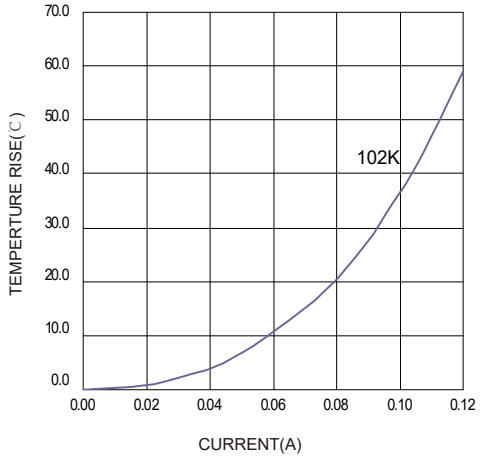

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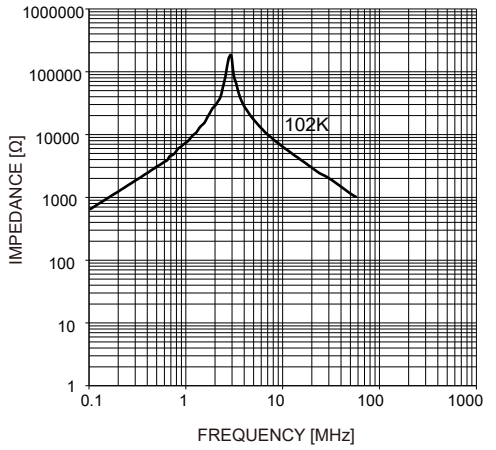

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