

WI Series
SMD Power Inductor
Size 1210



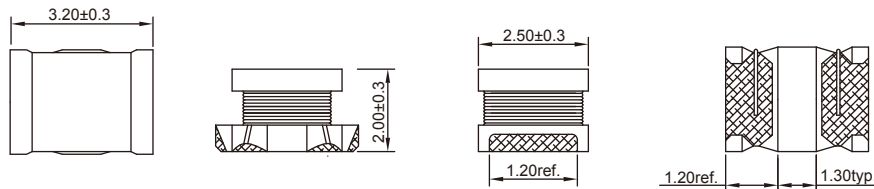
CHARACTERISTICS

- Nizn material with a high Q at high frequency
- Different sizes and wide inductances available
- Quantity: 2000pcs

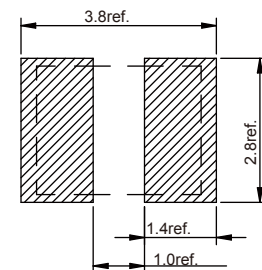
APPLICATION

- Low power DC/DC converter
- Filter
- General circuit application

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

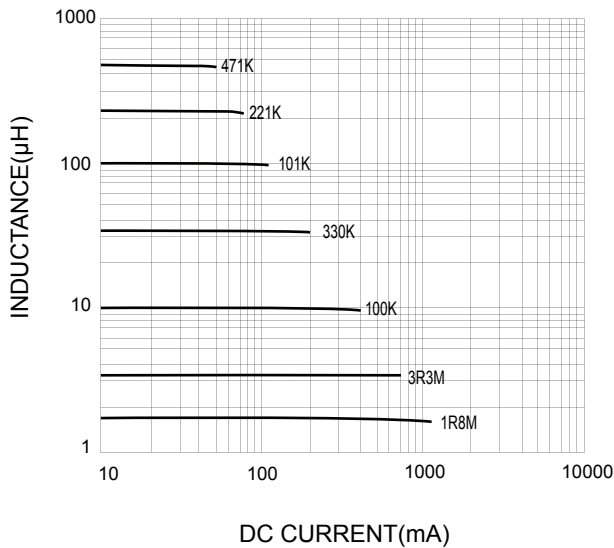
Part No	Inductance (μH)	Tolerance	Q Ref.	SRF Min. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA) ΔT=20 °C	Temperature Rise Current Max. (mA) ΔT=40 °C
WI1210-1R0M	1.0	±20%	20	100	0.10	600	750
WI1210-1R2M	1.2	±20%	20	100	0.12	580	720
WI1210-1R5M	1.5	±20%	20	75	0.13	560	660
WI1210-1R8M	1.8	±20%	20	60	0.14	520	640
WI1210-2R2M	2.2	±20%	20	50	0.15	480	620
WI1210-2R7M	2.7	±20%	20	43	0.18	430	600
WI1210-3R3M	3.3	±20%	20	38	0.20	400	580
WI1210-3R9M	3.9	±20%	20	35	0.25	360	540
WI1210-4R7M	4.7	±20%	20	31	0.28	330	490
WI1210-5R6M	5.6	±20%	20	28	0.36	300	440
WI1210-6R8M	6.8	±20%	20	25	0.40	280	420
WI1210-100K	10	±10%	35	20	0.65	220	320
WI1210-120K	12	±10%	35	18	0.70	200	290
WI1210-150K	15	±10%	35	16	1.00	180	270
WI1210-180K	18	±10%	35	15	1.10	170	240
WI1210-220K	22	±10%	35	14	1.30	155	220
WI1210-330K	33	±10%	40	12	1.85	120	160

Part No	Inductance (μH)	Tolerance	Q Ref.	SRF Min. (MHz)	DCR Max. (Ω)	Temperature Rise Current Max. (mA) ΔT=20 C	Temperature Rise Current Max. (mA) ΔT=40 C
WI1210-390K	39	±10%	40	11	2.00	115	152
WI1210-470K	47	±10%	40	11	3.00	110	146
WI1210-680K	68	±10%	35	9	3.80	96	130
WI1210-820K	82	±10%	35	8.5	5.60	85	105
WI1210-101K	100	±10%	40	8	6.50	80	100
WI1210-121K	120	±10%	40	7.5	7.00	75	95
WI1210-151K	150	±10%	40	7	9.20	70	86
WI1210-181K	180	±10%	40	6	10.2	65	80
WI1210-221K	220	±10%	40	5.5	11.8	65	75
WI1210-271K	270	±10%	40	5	14.8	60	70
WI1210-331K	330	±10%	40	5	16.5	55	65
WI1210-391K	390	±10%	46	5	22.0	50	60
WI1210-471K	470	±10%	46	5	25.0	45	55
WI1210-561K	560	±10%	46	5	28.0	40	48

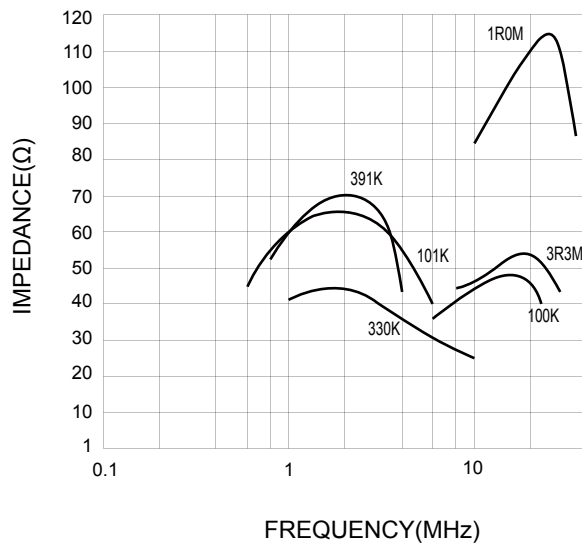
Operating temperature : -40 °C to +125 °C

Typical Electrical Characteristics:

Inductance VS. DC Current Characteristics:



Impedance VS. Frequency Characteristics:



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