NRSM Series

Wire Wound SMD Power Inductor

Size 3015

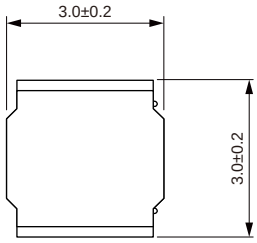
FEATUERS

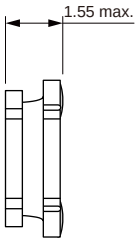
- Magne c resin for higher current and semi-magne cally shielded
- Opera ng temperature: -40 to +125 °C (including-self-temperature rise)
- Quan ty: 2000pcs

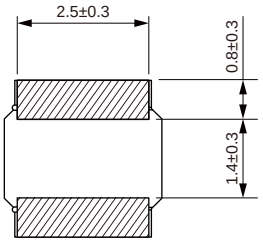
APPLICATION

- DC/DC converter
- LC filter

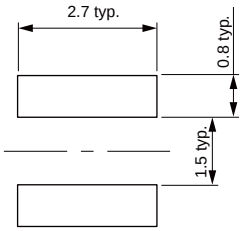
Dimensions: [mm]







Land Pattern: [mm]



Electrical Properties:

Inductance @ 1MHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Satura on Current Typ. (A)	Satura on Current Max. (A)	DC Resistance Typ. (Ω)	DC Resistance Max. (Ω)
0.22	±20%	5.90	5.00	11.0	8.80	0.0154	0.019
0.24	±20%	5.90	5.00	10.6	8.60	0.0154	0.019
0.33	±20%	5.80	4.90	10.0	8.00	0.016	0.021
0.47	±20%	5.00	4.60	9.50	7.60	0.020	0.026
0.68	±20%	4.50	3.80	8.30	7.00	0.028	0.0365
1.00	±20%	3.80	3.30	7.00	5.80	0.037	0.048
1.50	±20%	2.70	2.20	5.50	4.60	0.055	0.072
2.20	±20%	2.50	2.20	4.60	3.70	0.074	0.095
3.30	±20%	2.30	2.20	3.40	3.00	0.110	0.150
4.70	±20%	1.90	1.70	3.00	2.50	0.150	0.185
6.80	±20%	1.35	1.20	2.40	2.00	0.245	0.320
10.0	±20%	1.20	1.10	2.00	1.60	0.350	0.450
15.0	±20%	1.20	1.10	1.75	1.45	0.460	0.610

Saturation Current that will cause initial inductance to drop approximately 30%

Temperature Rise Current: For max value,φT<40℃; For Typ value,φT is approximate 40℃.

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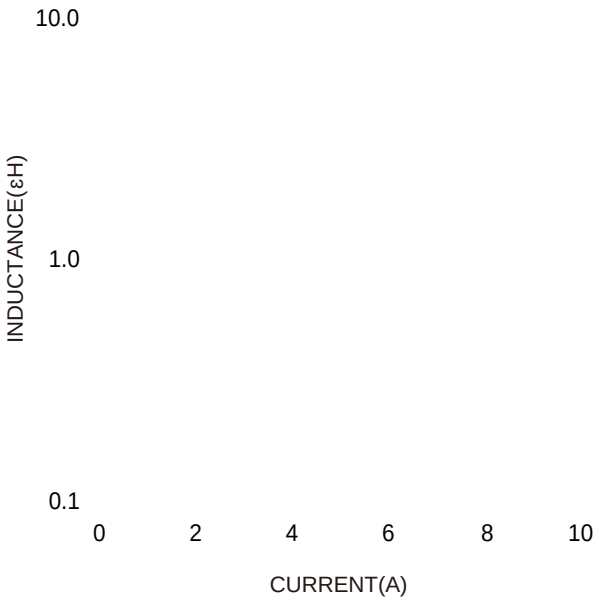
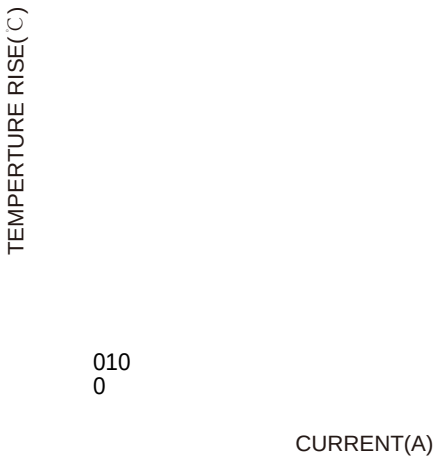
Typical Electrical Characteristics:

Inductance VS. Current Characteristics:



Temperture Rise VS. Current Characteristics:



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