

## NRSM Series

### Wire Wound SMD Power Inductor Size 252010



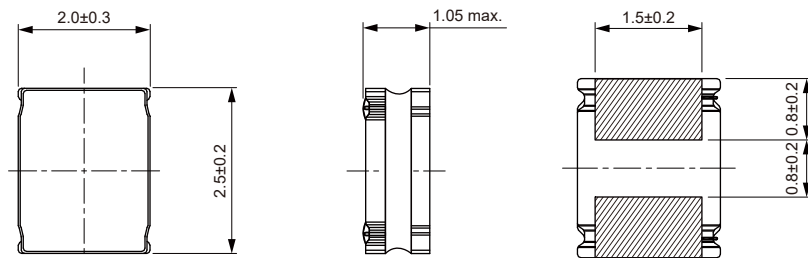
#### FEATUERS

- Magnetic resin for higher current and semi-magnetically shielded
- Operating temperature: -40 to +125 °C (including-self-temperature rise)
- Quantity: 2000pcs

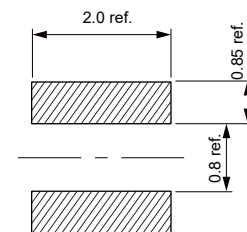
#### APPLICATION

- DC/DC converter
- LC filter

#### Dimensions: [mm]



#### Land Pattern: [mm]



#### Electrical Properties:

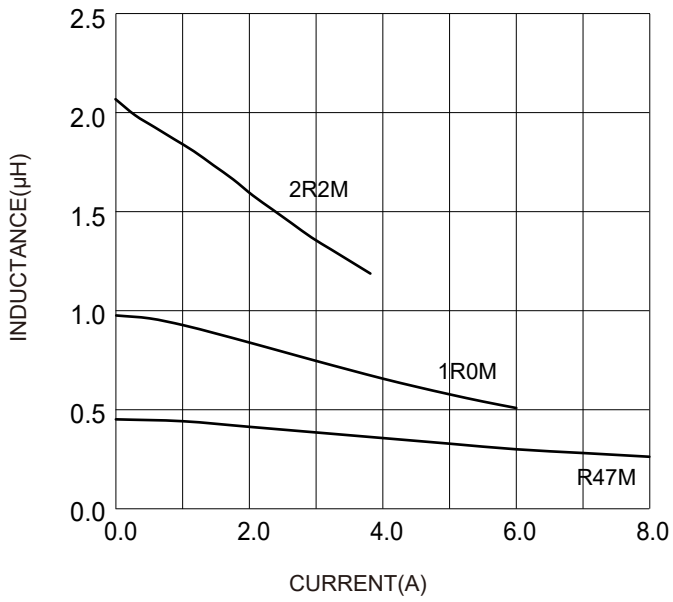
Part No	Inductance @ 1MHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Saturation Current Typ. (A)	Saturation Current Max. (A)	DC Resistance Typ. (Ω)	DC Resistance Max. (Ω)
NRSM252010S-R24M	0.24	±20%	4.50	3.70	7.10	6.10	0.025	0.033
NRSM252010S-R33M	0.33	±20%	4.05	3.50	5.50	4.80	0.033	0.039
NRSM252010S-R47M	0.47	±20%	3.60	3.20	5.20	4.40	0.040	0.045
NRSM252010S-R68M	0.68	±20%	3.20	2.75	3.60	3.20	0.049	0.059
NRSM252010S-1R0M	1.00	±20%	2.50	2.20	3.50	3.10	0.071	0.085
NRSM252010S-1R5M	1.50	±20%	2.30	2.00	3.00	2.60	0.090	0.106
NRSM252010S-2R2M	2.20	±20%	1.80	1.50	2.20	1.90	0.129	0.155
NRSM252010S-3R3M	3.30	±20%	1.40	1.20	1.80	1.60	0.210	0.252
NRSM252010S-4R7M	4.70	±20%	1.10	1.00	1.50	1.30	0.255	0.290
NRSM252010S-6R8M	6.80	±20%	1.00	0.95	1.15	1.00	0.380	0.480
NRSM252010S-100M	10.0	±20%	0.75	0.65	1.00	0.90	0.630	0.740

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

Temperature Rise Current: For max value, ΔT < 40 °C ; For Typ value, ΔT is approximate 40 °C .

Typical Electrical Characteristics:

Inductance VS. Current Characteristics:



Temperature Rise VS. Current Characteristics:

