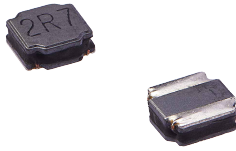


NRSE Series
SMD Shielded Tiny Power Inductor
Size 5040



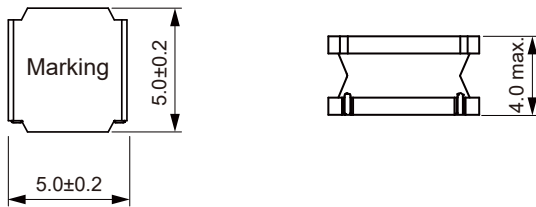
CHARACTERISTICS

- Magnetic resin for higher current and semi-magnetically shielded
- Quantity: 1500pcs

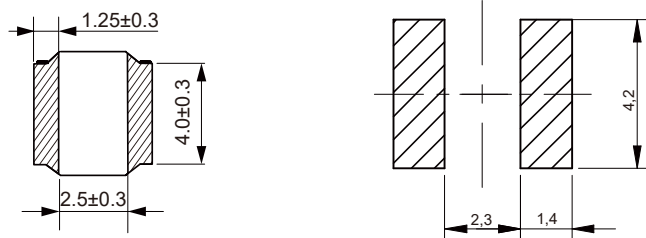
APPLICATION

- DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @100KHz/0.25V (μ H)	Tolerance	Saturation Current (A)	Temperature Rise Current (A)	DCR \pm 30% (m Ω)
NRSE5040-1R0N	1.00	\pm 30%	7.35	4.90	13.0
NRSE5040-1R5N	1.50	\pm 30%	6.30	4.30	15.0
NRSE5040-1R8N	1.80	\pm 30%	6.10	3.90	18.0
NRSE5040-2R2N	2.20	\pm 30%	4.90	3.80	19.0
NRSE5040-2R7N	2.70	\pm 30%	4.30	3.60	22.0
NRSE5040-3R3N	3.30	\pm 30%	3.95	3.40	24.0
NRSE5040-3R9N	3.90	\pm 30%	3.55	3.20	27.0
NRSE5040-4R7M	4.70	\pm 20%	3.50	3.00	30.0
NRSE5040-5R6M	5.60	\pm 20%	3.20	2.80	33.0
NRSE5040-6R8M	6.80	\pm 20%	2.90	2.50	43.0
NRSE5040-8R2M	8.20	\pm 20%	3.00	2.30	55.0
NRSE5040-100M	10.0	\pm 20%	2.35	2.10	64.0
NRSE5040-150M	15.0	\pm 20%	2.00	2.00	86.0
NRSE5040-220M	22.0	\pm 20%	1.60	1.50	129
NRSE5040-270M	27.0	\pm 20%	1.50	1.30	165
NRSE5040-330M	33.0	\pm 20%	1.30	1.20	188

Part No	Inductance @100KHz/0.25V (μH)	Tolerance	Saturation Current (A)	Temperature Rise Current (A)	DCR ±30% (mΩ)
NRSE5040-390M	39.0	±20%	1.20	1.10	225
NRSE5040-470M	47.0	±20%	1.10	1.00	270
NRSE5040-560M	56.0	±20%	1.00	0.90	375
NRSE5040-680M	68.0	±20%	0.90	0.80	400
NRSE5040-101M	100	±20%	0.75	0.70	560
NRSE5040-221M	220	±20%	0.45	0.40	1200
NRSE5040-471M	470	±20%	0.40	0.30	2800

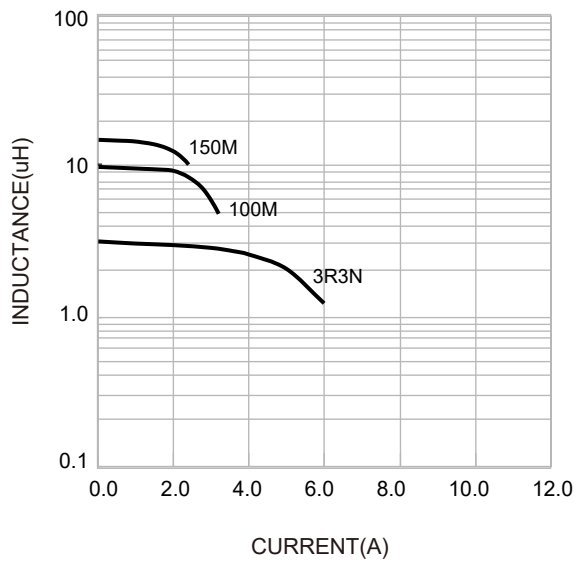
Operating temperature : -40 C ~ +125 C

Temperature rise current: the actual value of DC current when the temperature rise is ΔT40 C

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

Typical Electrical Characteristics:

Inductance VS. Current Characteristics:



Temperature Rise VS. Current Characteristics:

