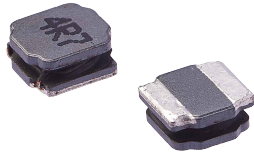


NRSE Series
SMD Shielded Tiny Power Inductor
Size 6028



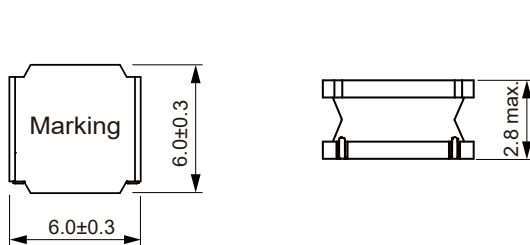
CHARACTERISTICS

- Magnetic resin for higher current and semi-magnetically shielded
- Quantity: 2000pcs

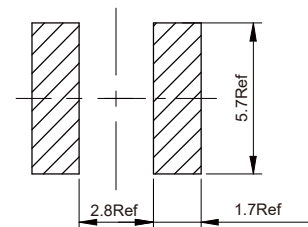
APPLICATION

- 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)
NRSE6028-1R0N	1.0	\pm 30%	6.70	4.60	12
NRSE6028-1R2N	1.2	\pm 30%	6.50	4.30	16
NRSE6028-1R5N	1.5	\pm 30%	6.00	4.30	16
NRSE6028-1R8N	1.8	\pm 30%	5.30	4.10	19
NRSE6028-2R2N	2.2	\pm 30%	5.10	3.75	20
NRSE6028-3R3N	3.3	\pm 30%	3.63	3.40	25
NRSE6028-4R7N	4.7	\pm 30%	3.00	3.00	33
NRSE6028-5R6N	5.6	\pm 30%	2.80	2.45	45
NRSE6028-6R8M	6.8	\pm 20%	2.60	2.40	56
NRSE6028-8R2M	8.2	\pm 20%	2.40	2.25	68
NRSE6028-100M	10	\pm 20%	2.05	1.90	78
NRSE6028-120M	12	\pm 20%	1.80	1.70	88
NRSE6028-150M	15	\pm 20%	1.75	1.50	125
NRSE6028-180M	18	\pm 20%	1.55	1.45	130
NRSE6028-220M	22	\pm 20%	1.45	1.40	140
NRSE6028-270M	27	\pm 20%	1.40	1.30	180
NRSE6028-330M	33	\pm 20%	1.35	1.10	220

Part No	Inductance @100KHz/0.25V (μH)	Tolerance	Saturation current (A)	Temperature Rise Current (A)	DCR ±30% (mΩ)
NRSE6028-390M	39	±20%	1.25	1.10	225
NRSE6028-470M	47	±20%	1.15	1.05	280
NRSE6028-680M	68	±20%	0.95	0.85	420
NRSE6028-820M	82	±20%	0.80	0.70	550
NRSE6028-101M	100	±20%	0.65	0.60	670
NRSE6028-121M	120	±20%	0.62	0.58	820

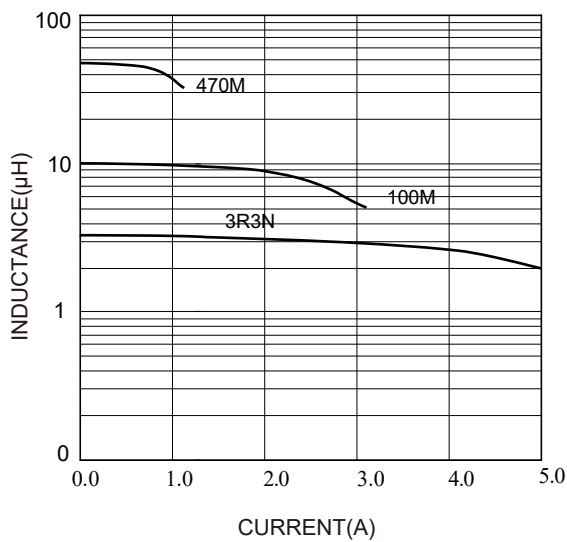
Operating temperature : -40°C ~ +125°C

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:

