

NRSE Series

SMD Shielded Tiny Power Inductor

Size 6020



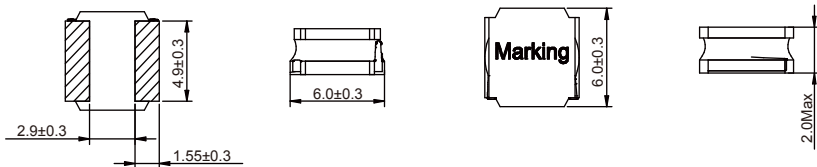
CHARACTERISTICS

- Magnetic resin for higher current and semi-magnetically shielded
- Different sizes from 2mm to 8mm in square shape
- Quantity: 3000pcs

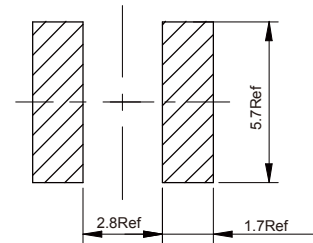
APPLICATION

- DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (μ H)	Tolerance	Saturation current (A)	Temperature Rise Current (A)	DCR $\pm 30\%$ (m Ω)
NRSE6020-R68N	0.68	$\pm 30\%$	7.5	3.8	15
NRSE6020-1R0N	1.0	$\pm 30\%$	4.8	3.5	20
NRSE6020-1R2N	1.2	$\pm 30\%$	4.3	3.5	20
NRSE6020-1R5N	1.5	$\pm 30\%$	4.3	3.2	25
NRSE6020-2R2N	2.2	$\pm 30\%$	3.75	2.75	35
NRSE6020-3R3N	3.3	$\pm 30\%$	3.15	2.6	45
NRSE6020-4R7N	4.7	$\pm 30\%$	3.0	2.0	58
NRSE6020-5R6M	5.6	$\pm 20\%$	2.4	1.9	70
NRSE6020-6R8M	6.8	$\pm 20\%$	2.2	1.8	85
NRSE6020-100M	10	$\pm 20\%$	1.75	1.4	120
NRSE6020-150M	15	$\pm 20\%$	1.5	1.2	160
NRSE6020-220M	22	$\pm 20\%$	1.25	1.0	240
NRSE6020-270M	27	$\pm 20\%$	1.15	0.95	350
NRSE6020-330M	33	$\pm 20\%$	1.1	0.9	400
NRSE6020-470M	47	$\pm 20\%$	1.0	0.8	500
NRSE6020-680M	68	$\pm 20\%$	0.8	0.68	815

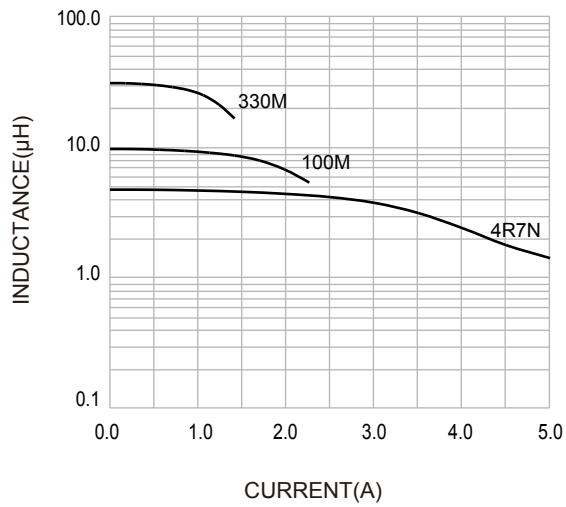
Operating temperature : -40 °C ~ +125 °C

Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T 40$ °C

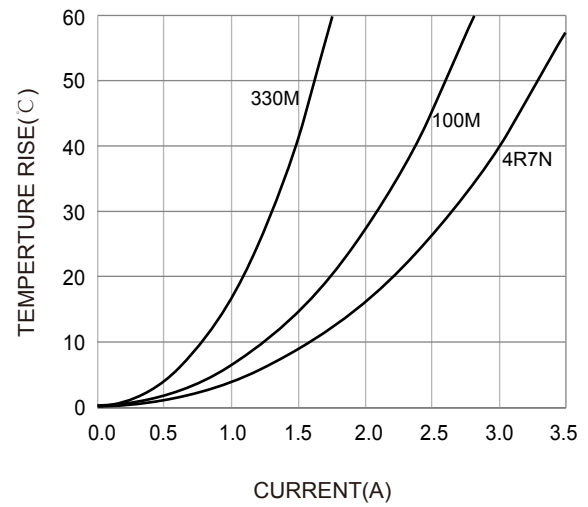
Saturation Current that will cause initial inductance to drop approximately 30%

Typical Electrical Characteristics:

Inductance VS. Current Characteristics:



Temperture Rise VS. Current Characteristics:



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