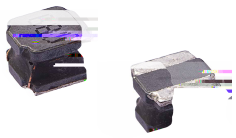
NRSE Series

SMD Shielded Tiny Power Inductor

Size 6045



FEATURES

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APPLICATION

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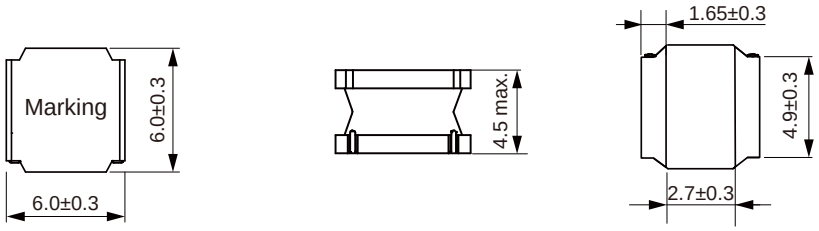
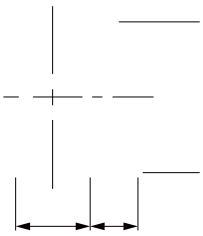
Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (µH)					
NRSE6045-R56N	0.56					
NRSE6045-1R0N	1.00					
NRSE6045-1R5N	1.50					
NRSE6045-1R8N	1.80					
NRSE6045-2R2N	2.20					
NRSE6045-3R3N	3.30					
NRSE6045-3R9N	3.90					
NRSE6045-4R7N	4.70					
NRSE6045-5R6N	5.60					
NRSE6045-6R8M	6.80					
NRSE6045-8R2M	8.20					
NRSE6045-100M	10.0					
NRSE6045-120M	12.0					
NRSE6045-150M	15.0					
NRSE6045-180M	18.0					
NRSE6045-220M	22.0					

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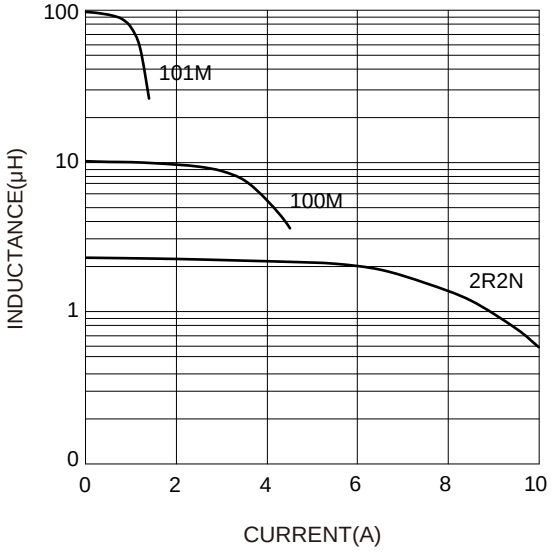
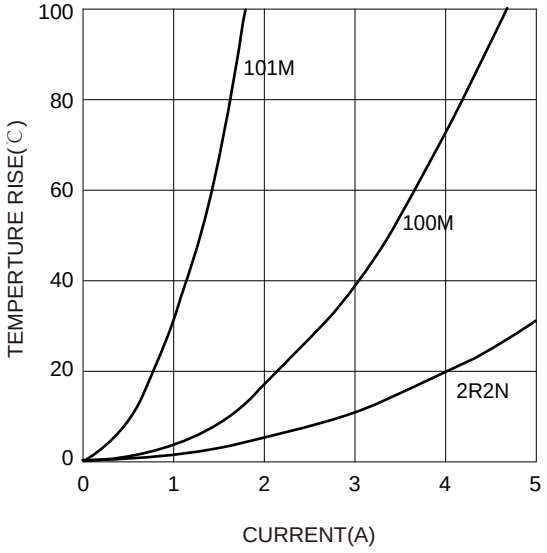
Part No	Inductance (μH)	Tolerance	Satura on Current (A)	Temperature Rise Current (A)	DC Resistance ±30% (mΩ)	Test Condi on
NRSE6045-270M	27.0	±20%	1.90	1.48	120	100KHz/0.25V
NRSE6045-330M	33.0	±20%	1.60	1.45	150	100KHz/0.25V
NRSE6045-390M	39.0	±20%	1.50	1.25	180	100KHz/0.25V
NRSE6045-470M	47.0	±20%	1.40	1.20	220	100KHz/0.25V
NRSE6045-560M	56.0	±20%	1.30	1.10	260	100KHz/0.25V
NRSE6045-680M	68.0	±20%	1.20	0.90	290	100KHz/0.25V
NRSE6045-820M	82.0	±20%	1.10	0.85	355	100KHz/0.25V
NRSE6045-101M	100	±20%	1.00	0.80	430	100KHz/0.25V
NRSE6045-121M	120	±20%	0.85	0.75	530	100KHz/0.25V
NRSE6045-151M	150	±20%	0.80	0.70	760	100KHz/0.25V
NRSE6045-181M	180	±20%	0.75	0.65	845	100KHz/0.25V
NRSE6045-221M	220	±20%	0.63	0.55	890	100KHz/0.25V
NRSE6045-331M	330	±20%	0.57	0.50	1851	100KHz/1V

Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

Typical Electrical Characteristics:

Inductance VS. Current Characteristics:



Temperture Rise VS. Current Characteristics: