

NRSE Series

SMD Shielded Tiny Power Inductor

Size 3010

CHARACTERISTICS

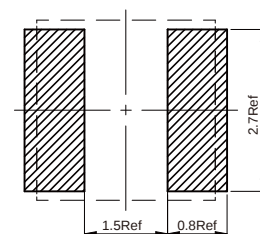
- Magnetic resin for higher current and semi-magnetically shielded
- Quantity: 2000pcs

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)
NRSE3010-1R0N	1.0	$\pm$ 30%	1.40	1.45	65
NRSE3010-1R5N	1.5	$\pm$ 30%	1.27	1.30	80
NRSE3010-2R2M	2.2	$\pm$ 20%	1.15	1.09	110
NRSE3010-3R3M	3.3	$\pm$ 20%	0.97	0.96	145
NRSE3010-4R7M	4.7	$\pm$ 20%	0.75	0.77	225
NRSE3010-6R8M	6.8	$\pm$ 20%	0.65	0.66	305
NRSE3010-100M	10	$\pm$ 20%	0.60	0.58	400
NRSE3010-150M		$\pm$ 20%	0.42	0.47	610
NRSE3010-220M		$\pm$ 20%	0.35	0.38	930

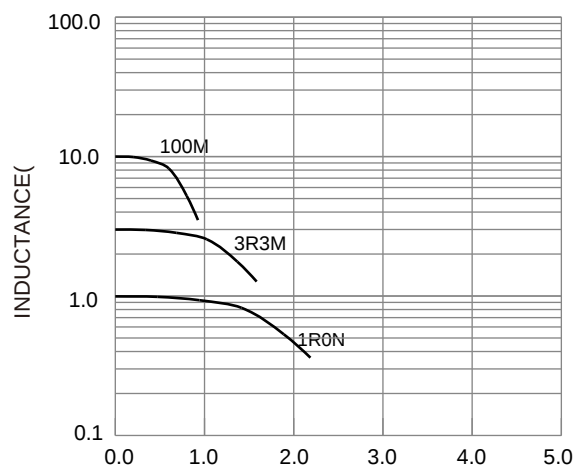
Operating temperature: -40°C ~ +125°C

Temperature rise current: the actual value of DC current when the temperature rise is Δ T40°C

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

Typical Electrical Characteristics:

Inductance VS. Current Characteristics:



Temperture Rise VS. Current Characteristics:

