

**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:**

Inductance: A

4.904.303.903.803.603.403.203	002.802.502.302.102.001.501.301.201	3.015.018.019.022.024.027.030.033.043.055.064.086.01291651887.356.306.104.904.303

Part No		Tolerance	Saturation Current (A)	Temperature Rise Current (A)	DCR $\pm 30\%$ (m $\Omega$ )
NRSE5040-390M	39.0	$\pm 20\%$	1.20	1.10	225
NRSE5040-470M	47.0	$\pm 20\%$	1.10	1.00	270
NRSE5040-560M	56.0	$\pm 20\%$	1.00	0.90	375
NRSE5040-680M	68.0	$\pm 20\%$	0.90	0.80	400
NRSE5040-101M	100	$\pm 20\%$	0.75	0.70	560
NRSE5040-221M	220	$\pm 20\%$	0.45	0.40	1200
NRSE5040-471M	470	$\pm 20\%$	0.40	0.30	2800

Operating temperature : -40C ~ +125C

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

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

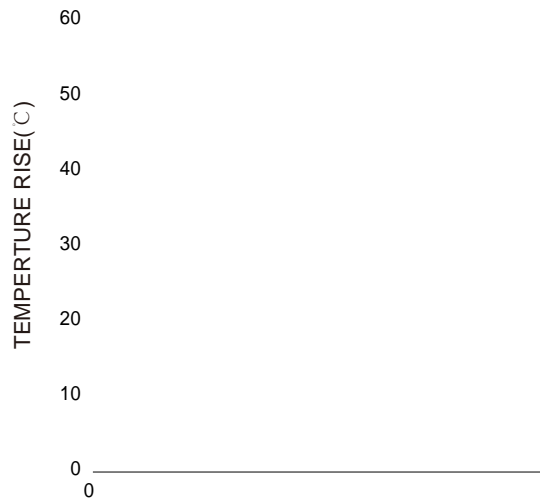
## Typical Electrical Characteristics:

Inductance VS. Current Characteristics:

INDUCTANCE( $\mu H$ )

CURRENT(A)

Temperature Rise VS. Current Characteristics:



CURRENT(A)