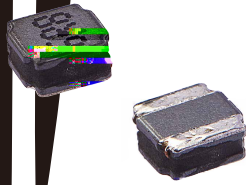


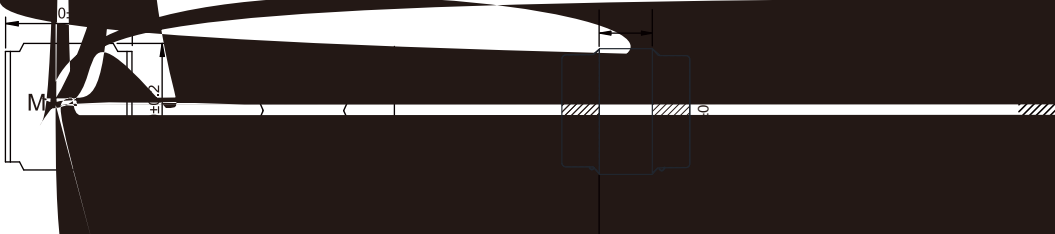
# SMD Shielded Tiny Power Inductor Size 4020



- Magnetic resin for higher current and semi-magnetically shielded
- Quantity: 3000pcs
- DC/DC converter
- LC filter

Dimensions [mm]

Land Pattern: [mm]



## Electrical

Part No.	Inductance [mH]	Inductance Tolerance	DC Resistance [mΩ]	DC Resistance Tolerance	Rated Current [A]
NRSE4020-R33N	0.33	±30%	7.50	±30%	18.0
NRSE4020-R47N	0.47	±30%	7.50	±30%	18.0
NRSE4020-R68N	0.68	±30%	7.00	±30%	24.0
NRSE4020-1R0N	1.00	±30%	5.10	±30%	28.0
NRSE4020-1R2N	1.20	±30%	4.70	±30%	29.0
NRSE4020-1R5N	1.50	±30%	4.45	±30%	35.0
NRSE4020-1R8N	1.80	±30%	4.00	±30%	45.0
NRSE4020-2R2M	2.20	±20%	3.40	±20%	45.0
NRSE4020-2R7M	2.70	±20%	3.30	±20%	53.0
NRSE4020-3R3M	3.30	±20%	3.20	±20%	70.0
NRSE4020-4R7M	4.70	±20%	2.35	±20%	80.0
NRSE4020-5R6M	5.60	±20%	2.20	±20%	95.0
NRSE4020-6R8M	6.80	±20%	2.00	±20%	125
NRSE4020-8R2M	8.20	±20%	1.75	±20%	150
NRSE4020-100M	10.0	±20%	1.60	±20%	165
NRSE4020-120M	12.0	±20%	1.50	±20%	175
NRSE4020-150M	15.0	±20%	1.35	±20%	230

			Current	Temperature Rise Current	DCR ±30%
NRSE4020-220M	22	±20%	1.05	0.62	350
NRSE4020-330M	33	±20%	0.85	0.49	500
NRSE4020-470M	47	±20%	0.74	0.44	710
NRSE4020-560M	56	±20%	0.68	0.40	800
NRSE4020-680M	68	±20%	0.60	0.35	1250

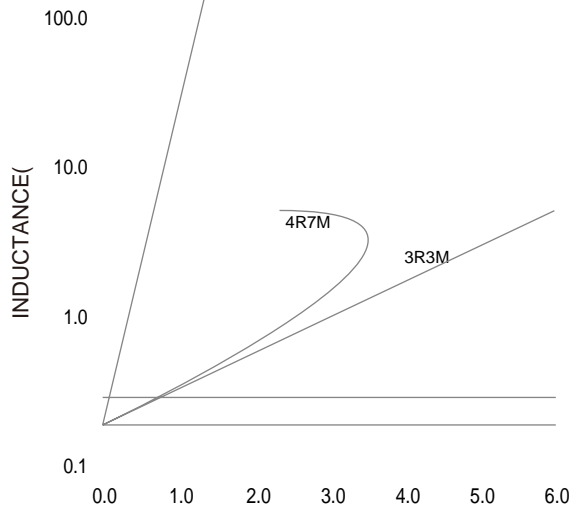
Operating temperature: -40°C ~ +125°C

Temperature rise current: the actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$

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

## Typical Electrical Characteristics:

Inductance VS. Current Characteristics:



Temperature Rise VS. Current Characteristics:

