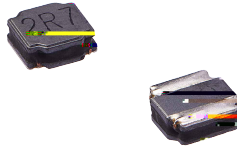


NRSE Series

SMD Shielded Tiny Power Inductor

Size 5020



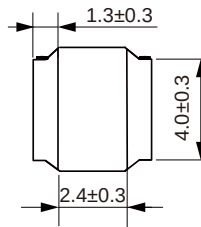
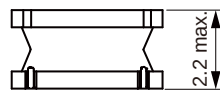
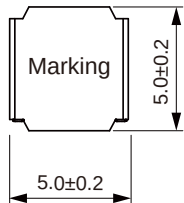
CHARACTERISTICS

- Magnetic resin for higher current and semi-magnetically shielded
- Quantity: 3000pcs

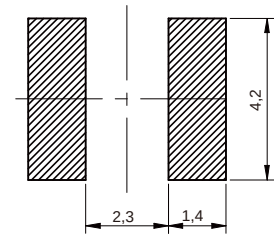
APPLICATION

- DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @100KHz/0.25V (μH)	Tolerance	Saturation current (A)	Temperature Rise Current (A)	DCR ±30% (mΩ)
NRSE5020-R22N	0.22	±30%	8.00	5.00	11
NRSE5020-R24N	0.24	±30%	8.00	5.00	11
NRSE5020-R33N	0.33	±30%	7.50	4.60	15
NRSE5020-R47N	0.47	±30%	6.15	4.60	15
NRSE5020-1R0N	1.0	±30%	4.33	3.70	20
NRSE5020-1R2N	1.2	±30%	4.20	3.50	25
NRSE5020-1R5N					



Part No	Inductance @100KHz/0.25V (μ H)	Tolerance	Satura on current (A)	Temperature Rise Current (A)	DCR $\pm$ 30% (m Ω)
NRSE5020-100M	10	$\pm$ 20%	1.80	1.50	125
NRSE5020-150M	15	$\pm$ 20%	1.44	1.25	180
NRSE5020-220M	22	$\pm$ 20%	1.18	1.05	250
NRSE5020-270M	27	$\pm$ 20%	1.10	1.00	300
NRSE5020-330M	33	$\pm$ 20%	0.97	0.83	370
NRSE5020-470M	47	$\pm$ 20%	0.81	0.70	560
NRSE5020-680M	68	$\pm$ 20%	0.70	0.53	850
NRSE5020-820M	82	$\pm$ 20%	0.65	0.50	950
NRSE5020-101M	100	$\pm$ 20%	0.57	0.43	1100
NRSE5020-151M	150	$\pm$ 20%	0.41	0.40	1500
NRSE5020-221M	220	$\pm$ 20%	0.35	0.30	2230

Opera ng temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C

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

Satura on Current that will cause ini al inductance to drop approximately 30%

Typical Electrical Characteristics:

Inductance VS. Current Characteristics:

