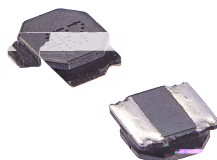


NRSA Series

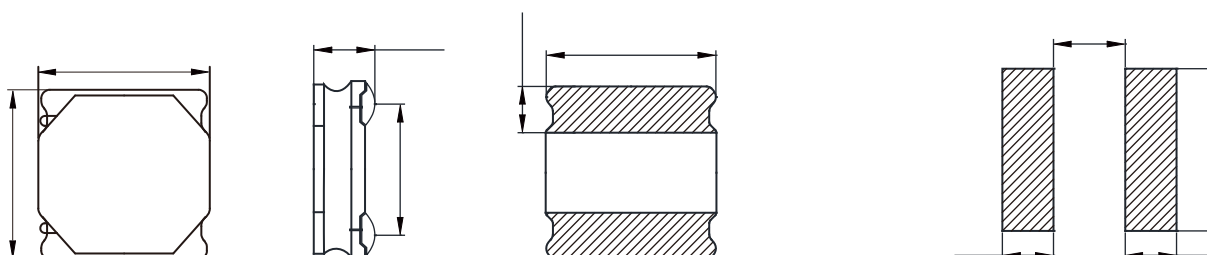


FEATURES

- Magnetic shield type wound inductor for power circuits using a ferrite magnetic material
- High magnetic shield construction and compatible with high-density mounting.
- Larger current and lower Rdc were achieved by optimizing the ferrite core figure.
- Operating temperature: -55 to +125°C (including self-temperature rise)
- AEC-Q200 qualified
- Quantity: 2500pcs

APPLICATION

- Car navigation, car stereo and car accessories only

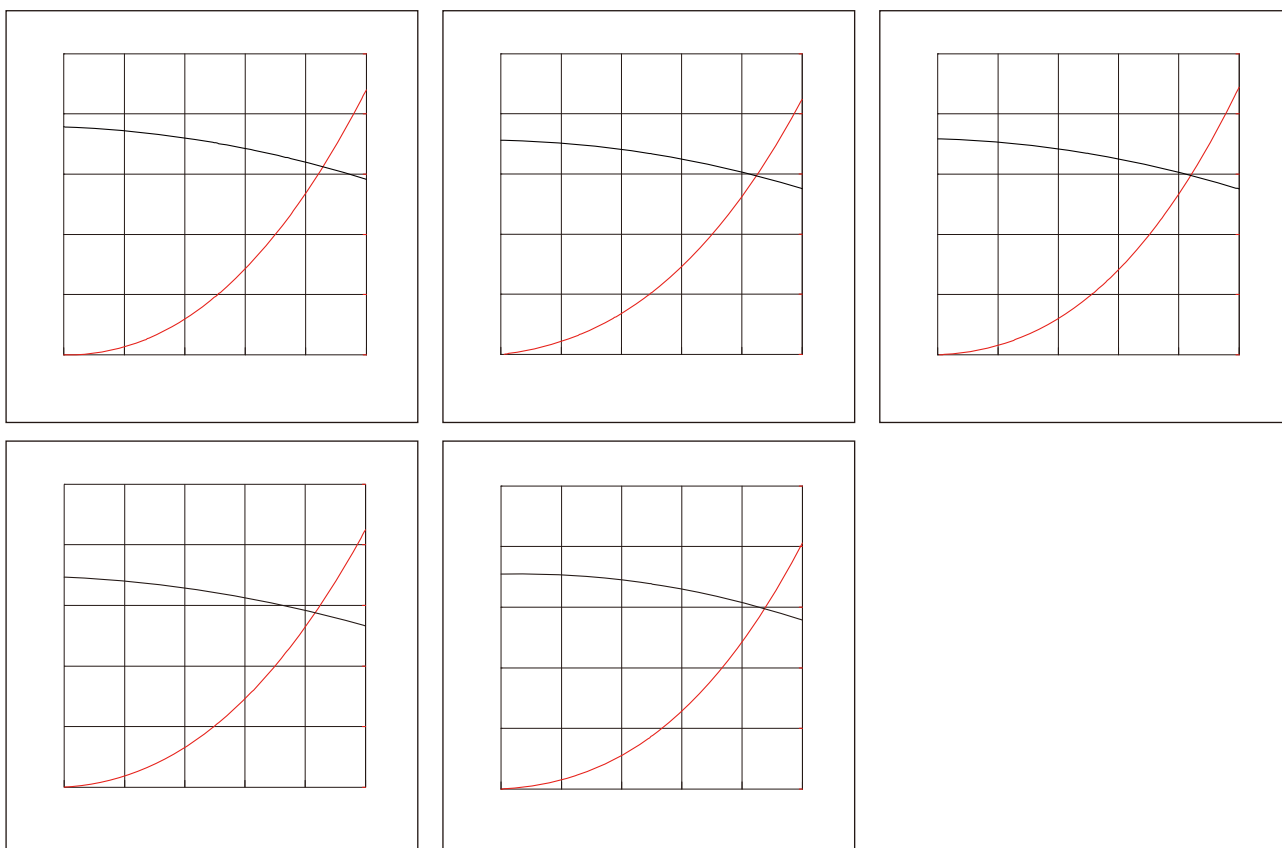


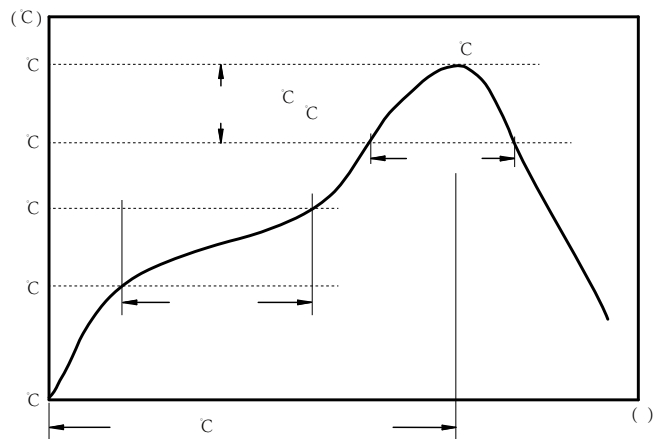
Part No	L@100KHz/1V (μ H)	Tolerance	I _{SAT} Typ. (A)	I _R Typ. (A)	R _{DC} $\pm$ 20% (m Ω)
NRSA5020-1R0N	1.0	$\pm$ 30%	5.00	4.10	20
NRSA5020-1R2N	1.2	$\pm$ 30%	4.80	3.80	20
NRSA5020-1R5N	1.5	$\pm$ 30%	4.50	3.50	25
NRSA5020-2R2M	2.2	$\pm$ 20%	4.10	3.30	32
NRSA5020-2R7M	2.7	$\pm$ 20%	3.80	3.00	38
NRSA5020-3R3M	3.3	$\pm$ 20%	3.50	2.80	43
NRSA5020-4R7M	4.7	$\pm$ 20%	2.70	2.40	60
NRSA5020-5R6M	5.6	$\pm$ 20%	2.40	2.10	69
NRSA5020-6R8M	6.8	$\pm$ 20%	2.10	1.90	90
NRSA5020-8R2M	8.2	$\pm$ 20%	1.90	1.75	98
NRSA5020-100M	10	$\pm$ 20%	1.70	1.60	110
NRSA5020-120M	12	$\pm$ 20%	1.40	1.40	135
NRSA5020-150M	15	$\pm$ 20%	1.30	1.25	165
NRSA5020-180M	18	$\pm$ 20%	1.20	1.17	190
NRSA5020-220M	22	$\pm$ 20%	1.10	1.10	225
NRSA5020-330M	33	$\pm$ 20%	0.80	0.80	335
NRSA5020-470M	47	$\pm$ 20%	0.70	0.70	460

I_R will cause the coil temperature rise approximately $\Delta t 40^{\circ}\text{C}$

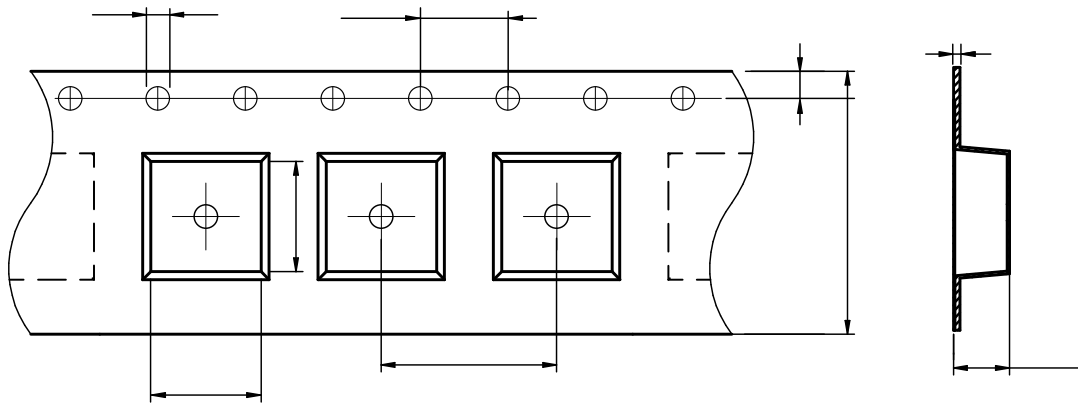
I_{SAT} will cause L to drop approximately 30%.

<table border="1"><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>																											

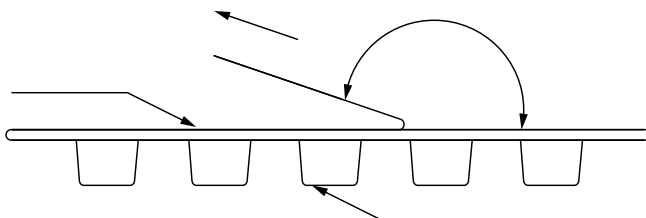




:



NRSA5020	5.3 ± 0.1	5.3 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	8.0 ± 0.1	12.0 ± 0.3	2.3 ± 0.1	1.75 ± 0.1	0.35 ± 0.05



The peel force of top cover tape shall be between 0.3 to 1.17 N

Marking	Printing (Inductance)
---------	-----------------------

