NRHA Series

Inductors For Power Circuits Wound Ferrite
Size 252010

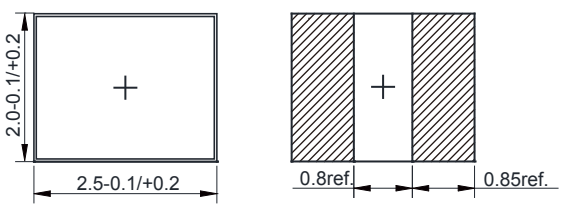
FEATURES

- 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 range: –55 to +125°C(including self-temperature rise)
- High reliability -Reliability test meet AEC-Q200
- Quantity: 2000pcs

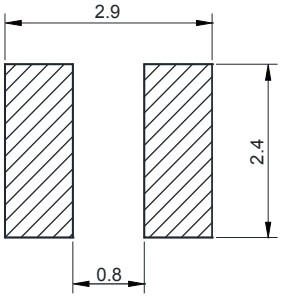
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L @0.1V/1MHz (μH)	Tolerance	I_{SAT} Typ. (A)	I_{SAT} Max. (A)	I_R Typ. (A)	I_R Max. (A)	R_{DC} ±20% (mΩ)
NRHA252010-R47N	0.47	±30%	2.85	2.57	2.8	2.5	30
NRHA252010-R68N	0.68	±30%	2.7	2.45	2.45	2.2	39
NRHA252010-1R0N	1.0	±30%	2.45	2.05	2.2	1.8	55
NRHA252010-1R5N	1.5	±30%	1.8	1.7	1.7	1.55	90
NRHA252010-2R2M	2.2	±20%	1.6	1.55	1.55	1.4	114
NRHA252010-3R3M	3.3	±20%	1.3	1.1	1.25	1.1	170
NRHA252010-4R7M	4.7	±20%	1.1	0.95	1.05	0.92	250
NRHA252010-6R8M	6.8	±20%	0.95	0.8	0.85	0.76	370
NRHA252010-100M	10	±20%	0.75	0.65	0.75	0.67	470
NRHA252010-150M	15	±20%	0.55	0.45	0.55	0.5	750
NRHA252010-220M	22	±20%	0.5	0.4	0.5	0.45	1120

I_R will cause the coil temperature rise approximately Δt40 °C

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

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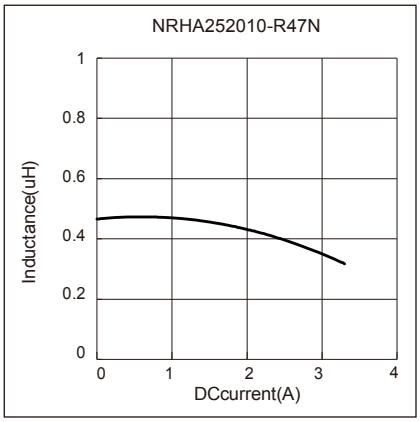
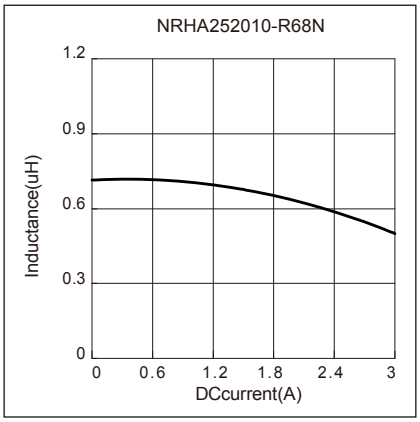
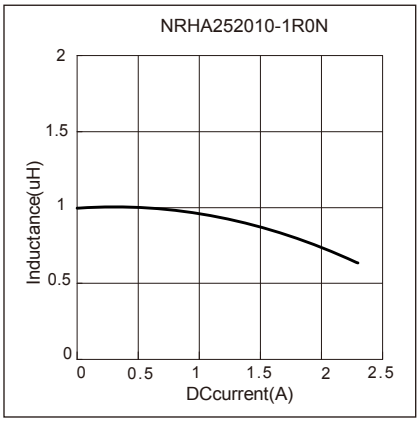
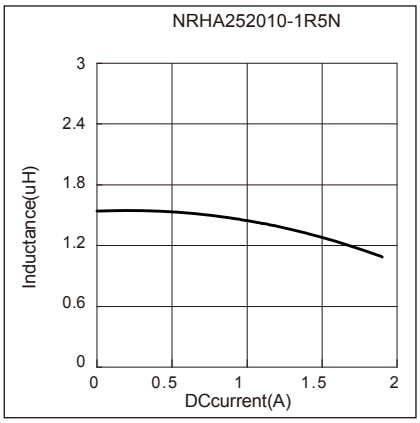
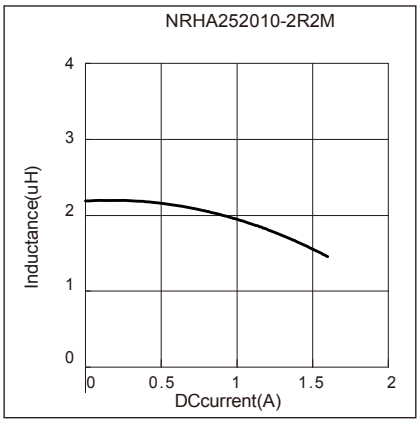
Typical Electrical Characteristics:

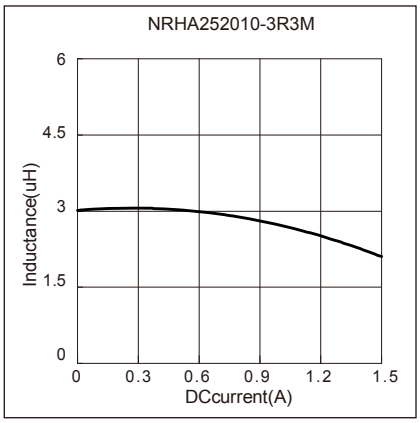


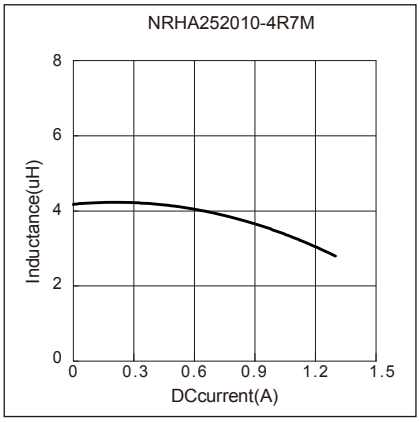


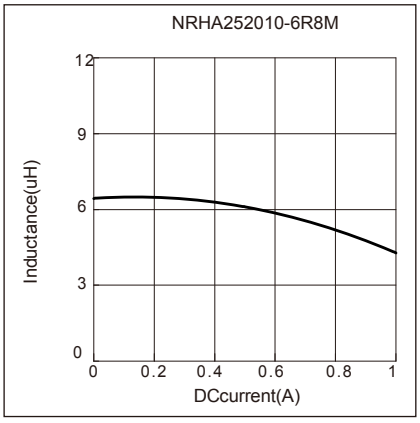


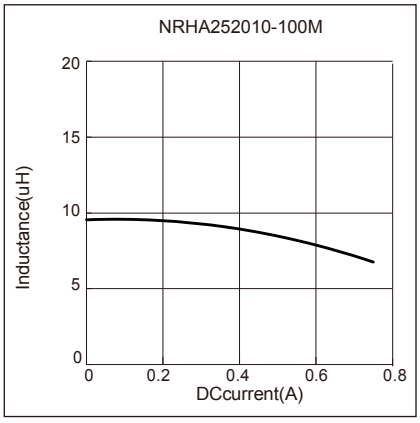


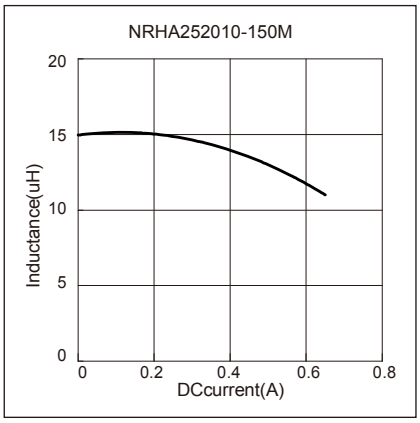


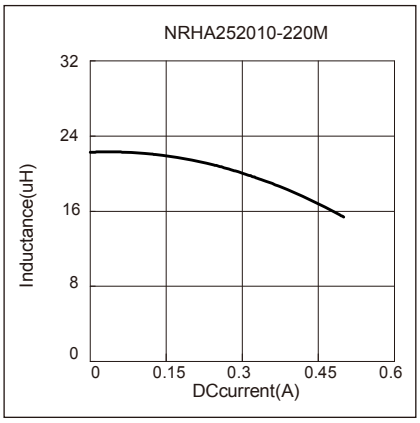












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