NRSA Series

SMD Power Inductors For Automotive

Size 4030

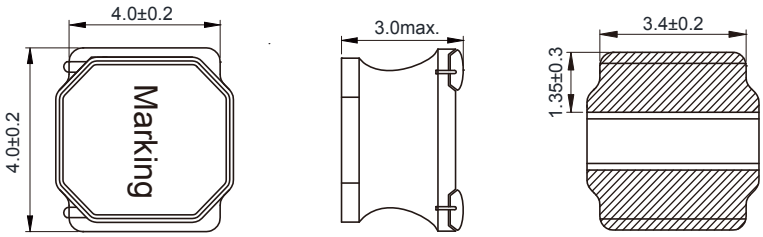
FEATURES

- 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)
- High reliability -Reliability test meet AEC-Q200
- Quantity: 3000pcs

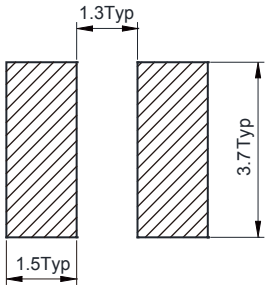
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L@100KHz/1V (μH)	Tolerance	I_{SAT} Typ. (A)	I_R Typ. (A)	R_{DC} ±20% (mΩ)
NRSA4030-R68M	0.68	±20%	6.80	4.60	10
NRSA4030-1R0M	1.0	±20%	5.30	4.20	14
NRSA4030-1R5M	1.5	±20%	4.90	3.40	20
NRSA4030-2R2M	2.2	±20%	4.90	3.00	30
NRSA4030-3R3M	3.3	±20%	3.30	2.40	40
NRSA4030-4R7M	4.7	±20%	2.90	2.05	60
NRSA4030-5R6M	5.6	±20%	2.60	1.95	65
NRSA4030-6R8M	6.8	±20%	2.75	1.80	90
NRSA4030-8R2M	8.2	±20%	2.10	1.60	90
NRSA4030-100M	10	±20%	2.00	1.50	100
NRSA4030-120M	12	±20%	1.80	1.30	135
NRSA4030-150M	15	±20%	1.70	1.20	190
NRSA4030-180M	18	±20%	1.50	1.10	200
NRSA4030-220M	22	±20%	1.30	1.00	225
NRSA4030-330M	33	±20%	1.10	0.85	330
NRSA4030-470M	47	±20%	0.95	0.72	445

I_R will cause the coil temperature rise approximately Δt40℃

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

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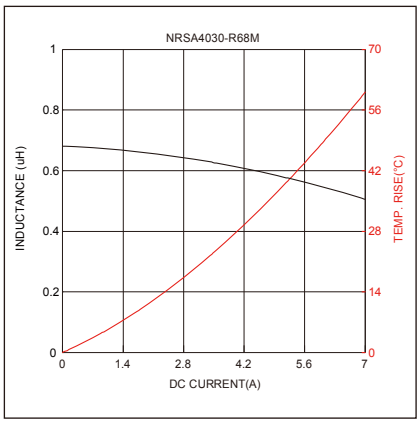
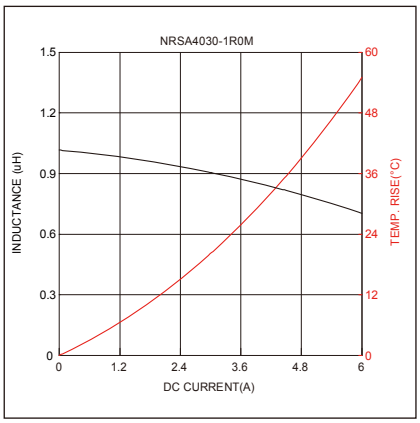
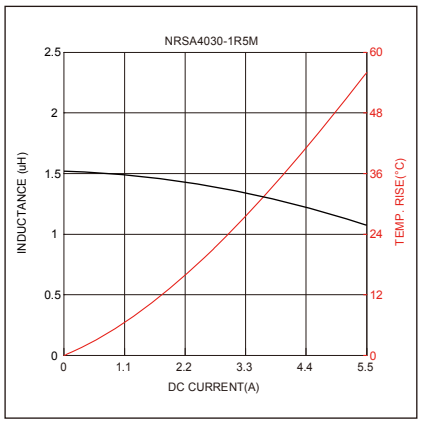
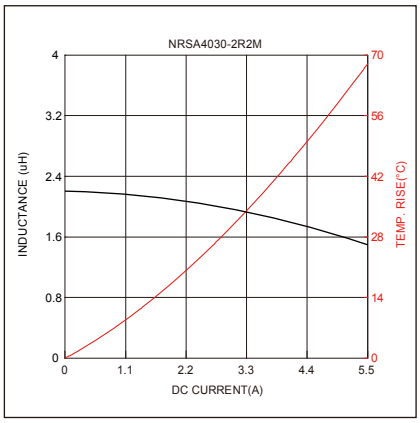
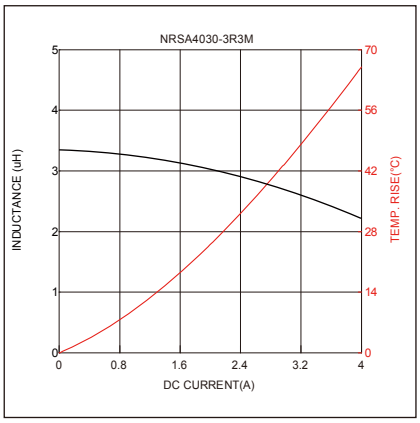
Typical Electrical Characteristics:

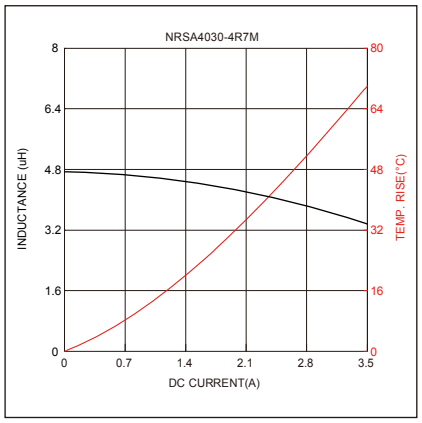


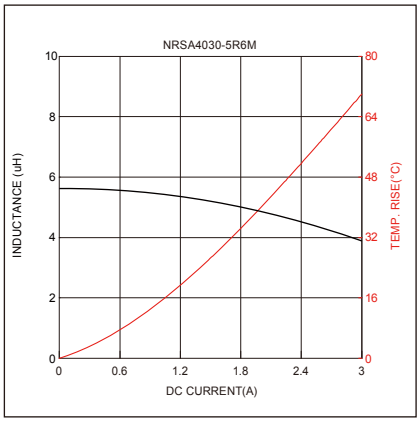


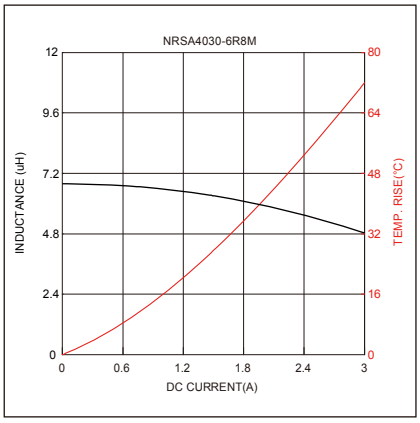


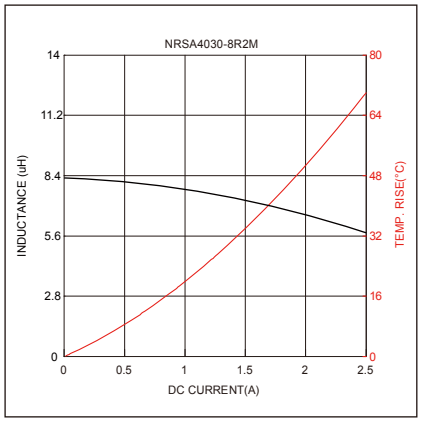


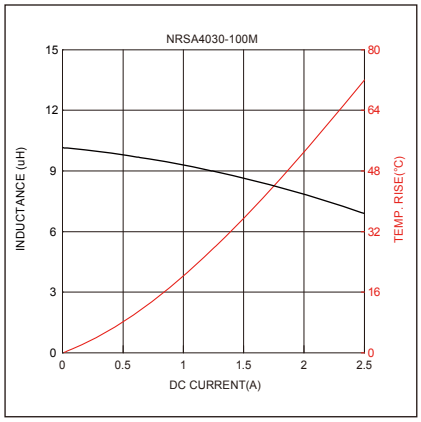


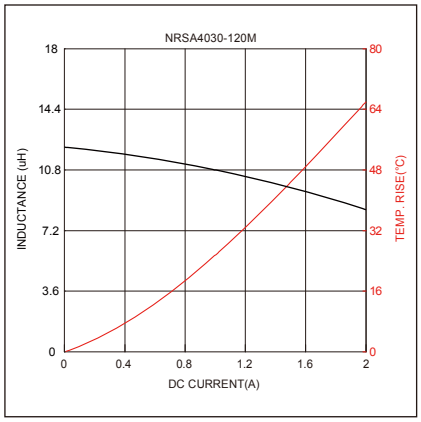


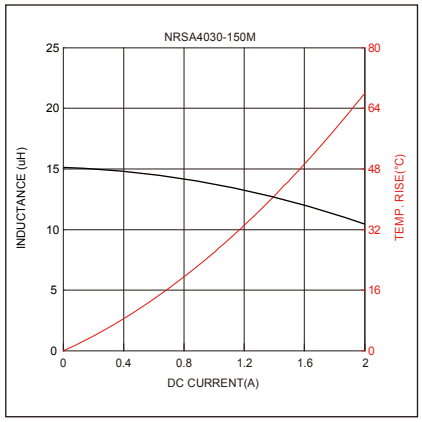












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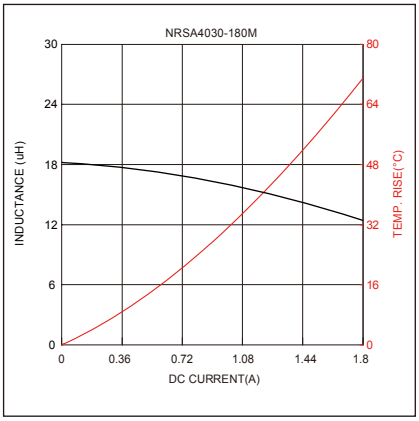

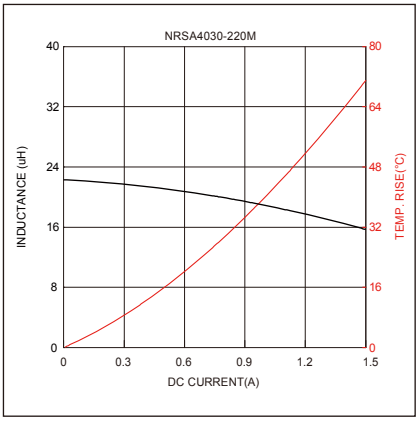

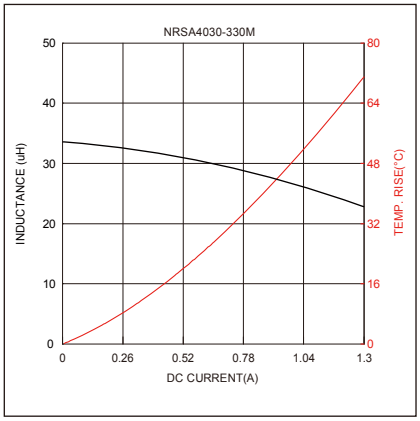

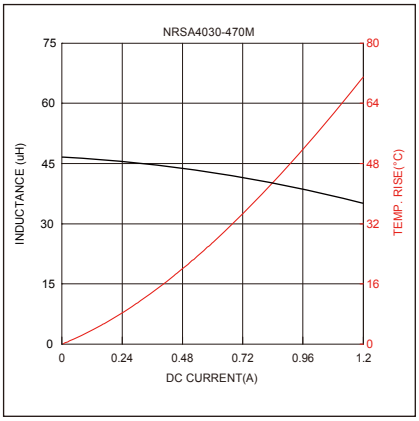

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