NRSA Series

SMD Power Inductors For Automotive

Size 4015

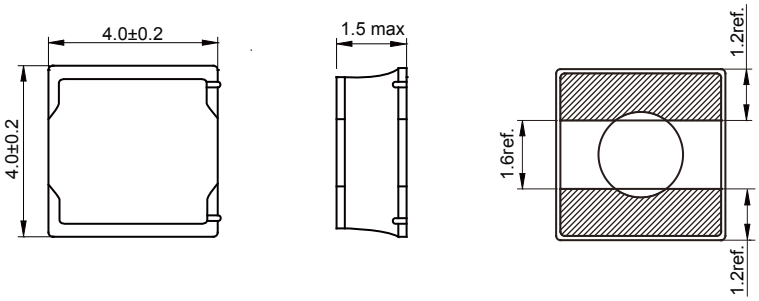
FEATURES

- 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: 4000pcs

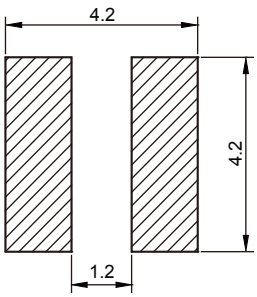
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L @1V/100KHz (μH)	Tolerance	I_{SAT} Typ. (A)	I_R Typ. (A)	R_{DC} ±20% (Ω)
NRSA4015-1R0M	1.0	±20%	4.00	3.70	33
NRSA4015-1R5M	1.5	±20%	3.30	3.30	41
NRSA4015-2R2M	2.2	±20%	2.90	2.90	55
NRSA4015-3R3M	3.3	±20%	2.30	2.30	65
NRSA4015-4R7M	4.7	±20%	1.90	1.90	85
NRSA4015-5R6M	5.6	±20%	1.70	1.70	103
NRSA4015-6R8M	6.8	±20%	1.60	1.60	110
NRSA4015-100M	10	±20%	1.40	1.40	160
NRSA4015-150M	15	±20%	1.10	1.10	230

I_R will cause the coil temperature rise approximately Δt40 ℃

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

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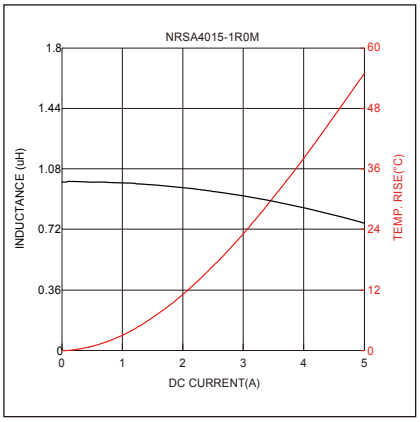
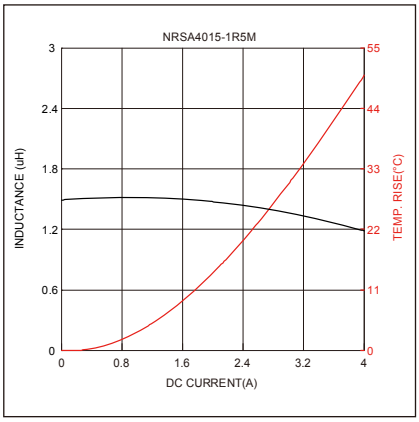
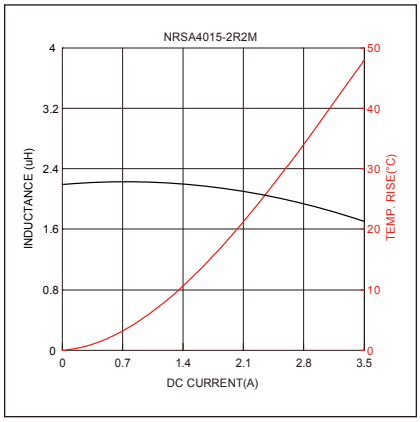
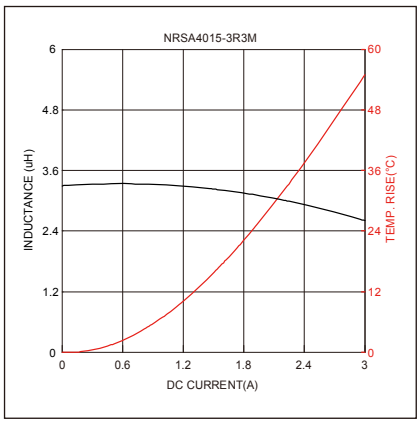
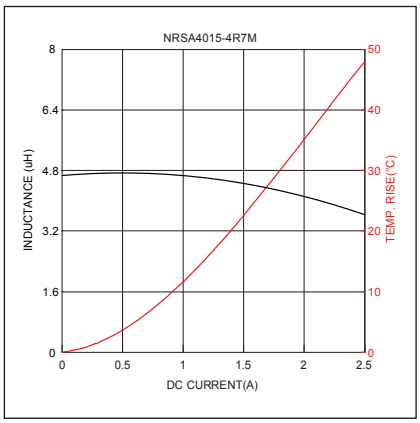
Typical Electrical Characteristics:

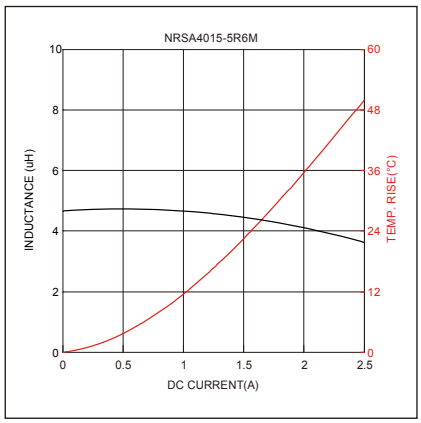


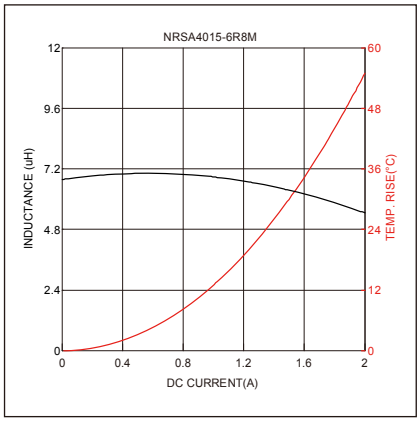


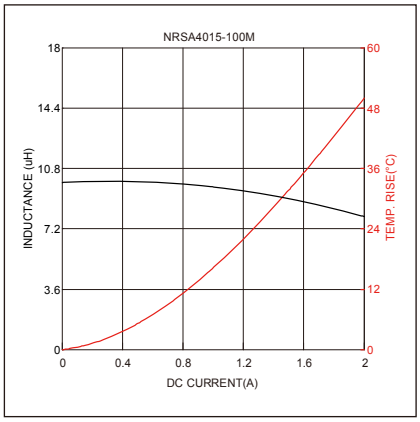


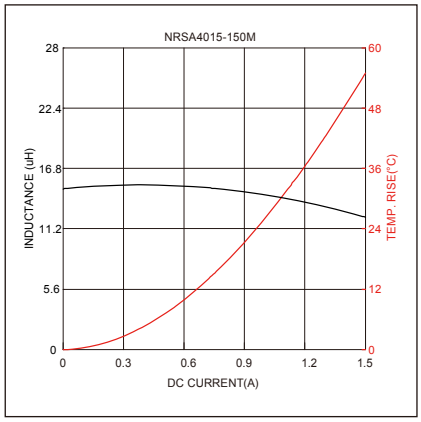












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