

NRSA Series

SMD Power Inductors For Automotive

Size 3015



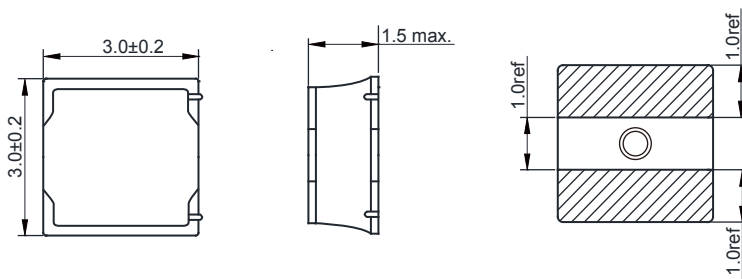
FEATURES

- 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: 2000pcs

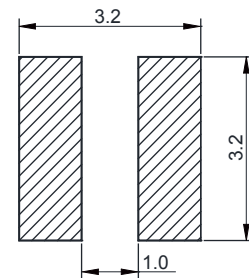
APPLICATION

- 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 _{SAT} Max. (A)	I _R Typ. (A)	I _R Max. (A)	R _{DC} ±20% (mΩ)
NRSA3015-1R0N	1.0	±30%	2.20	2.00	2.20	2.00	30
NRSA3015-1R5N	1.5	±30%	2.00	1.80	2.00	1.80	40
NRSA3015-2R2M	2.2	±20%	1.70	1.50	1.70	1.50	60
NRSA3015-3R3M	3.3	±20%	1.40	1.20	1.40	1.20	80
NRSA3015-4R7M	4.7	±20%	1.20	1.00	1.20	1.00	120
NRSA3015-6R8M	6.8	±20%	1.00	0.90	1.00	0.90	160
NRSA3015-100M	10	±20%	0.75	0.65	0.80	0.70	220
NRSA3015-150M	15	±20%	0.65	0.55	0.70	0.60	320
NRSA3015-220M	22	±20%	0.55	0.45	0.60	0.50	460
NRSA3015-330M	33	±20%	0.40	0.35	0.45	0.40	800
NRSA3015-470M	47	±20%	0.35	0.30	0.40	0.35	1200

I_R will cause the coil temperature rise approximately Δt40 °C

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

Typical Electrical Characteristics:

