NRSA Series

SMD Power Inductors For Automotive

Size 3015B

FEATURES

- -
  perature rise)
- AEC-Q200 qualified
-
-
-
- Quan ty: 2000pcs

APPLICATION

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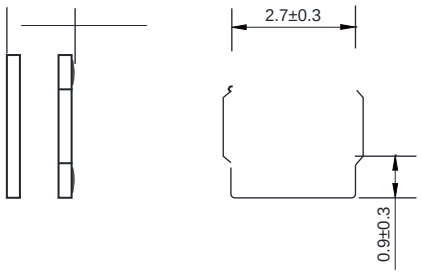
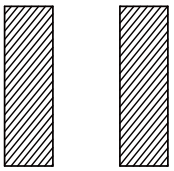
Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Satura on Current Typ. (A)	Satura on Current Max. (A)	DC Resistance ±20% (mΩ)
NRSA3015B-R47N	0.47	±30%	3.70	3.30	4.30	4.00	22
NRSA3015B-R68N	0.68	±30%	3.50	3.20	3.80	3.20	26
NRSA3015B-1R0M	1.00	±20%	3.00	2.70	3.00	2.40	
NRSA3015B-1R5M	1.50	±20%	2.70	2.50	2.40	2.00	38
NRSA3015B-2R2M	2.20	±20%	2.50	2.30	2.10	1.90	60
NRSA3015B-3R3M	3.30	±20%	2.20	2.00	1.70	1.50	85
NRSA3015B-4R7M	4.70	±20%	1.90	1.70	1.50	1.30	112
NRSA3015B-5R6M	5.60	±20%	1.80	1.60	1.40	1.20	135
NRSA3015B-6R8M	6.80	±20%	1.70	1.50	1.30	1.10	172

Saturation Current will cause L to drop approximately 30%

Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

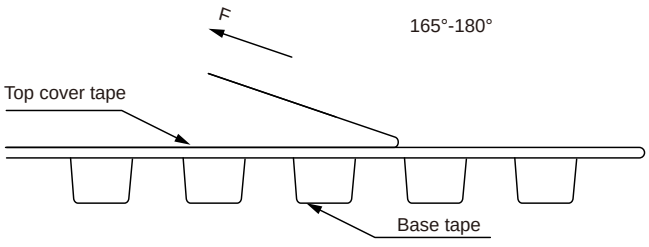
Soldering Reflow:

Packaging Information:

Tape Dimension：

Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
NRSA3015B	3.2 ± 0.1	3.2 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.3	1.7 ± 0.1	1.75 ± 0.1	0.30 ± 0.05

Peel force of top cover tape:



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

Operation Instr

Reel Dimension：[illegible]

Packaging Quantity: