

NRSA Series

SMD Power Inductors For Automotive

Size 3015B

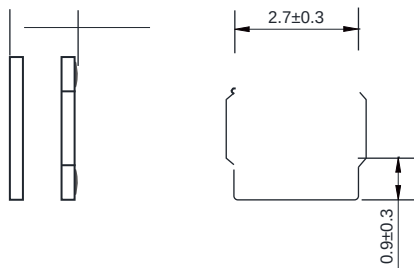
FEATURES

- Temperature rise)
- AEC-Q200 qualified
-
-
-
- Quantity: 2000pcs

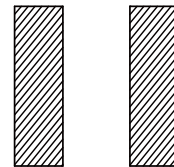
APPLICATION

-

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V (μ H)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Satura on Current Typ. (A)	Satura on Current Max. (A)	DC Resistance $\pm$ 20% (m Ω)
NRSA3015B-R47N	0.47	$\pm$ 30%	3.70	3.30	4.30	4.00	22
NRSA3015B-R68N	0.68	$\pm$ 30%	3.50	3.20	3.80	3.20	26
NRSA3015B-1R0M	1.00	$\pm$ 20%	3.00	2.70	3.00	2.40	
NRSA3015B-1R5M	1.50	$\pm$ 20%	2.70	2.50	2.40	2.00	38
NRSA3015B-2R2M	2.20	$\pm$ 20%	2.50	2.30	2.10	1.90	60
NRSA3015B-3R3M	3.30	$\pm$ 20%	2.20	2.00	1.70	1.50	85
NRSA3015B-4R7M	4.70	$\pm$ 20%	1.90	1.70	1.50	1.30	112
NRSA3015B-5R6M	5.60	$\pm$ 20%	1.80	1.60	1.40	1.20	135
NRSA3015B-6R8M	6.80	$\pm$ 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 $\Delta T=40^{\circ}\text{C}$

Soldering Reflow:

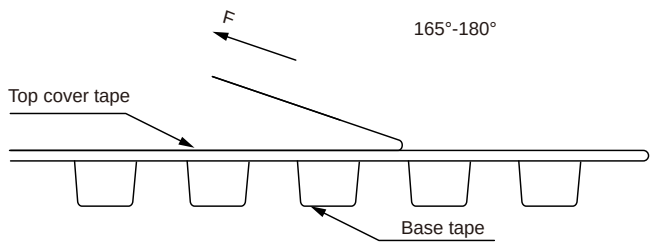
Packaging Information:

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 : [mm] 6FFH 00FS0 1D 00FS0 1FC 01 02 1CB 1F 1W 19x 19D

Packaging Quantity: