NRSA Series

SMD Power Inductors For Automotive
Size 8040

FEATUd(T)T99d(A)T)0.645 0 Td(T)T)0.615 0 Td(Ud(T)T99d(A)T)0.691070l020B

- Magne c shield type wound inductor for power circuits using a ferrite magne c material
- High magne c shield construc on and compa ble with high-density moun ng.
- Larger current and lower Rdc were achieved by op mizing the ferrite core figure.
- Opera ng temperature: –55 to +125°C(including self-temperature rise)
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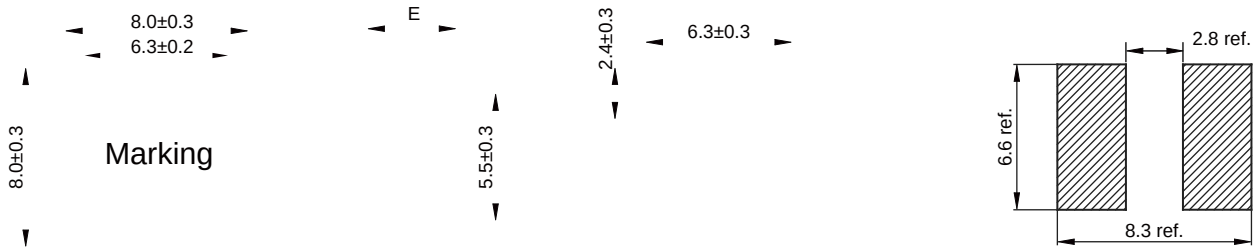


Part No	Inductance @100KHz/1V	Tolerance	Current Typ.	DC Resistance ±20%	E
					4.2 Max
					4.2 Max
					4.2 Max
					4.2 Max
					4.2 Max
					4.2 Max
					4.2 Max
					4.2 Max
					4.2 Max
					4.2 Max
					3.7±0.3
					3.7±0.3
					3.7±0.3
					3.7±0.3
					3.7±0.3
					3.7±0.3
					3.7±0.3

Typical Electrical Characteristics:

Soldering Reflow:

Preheat condition: 150 ~200℃/ 60~120 sec.

Allowed time above 217℃: 60~90 sec.

Max temperature: 260℃.

Allowed Reflow time: 2x max.

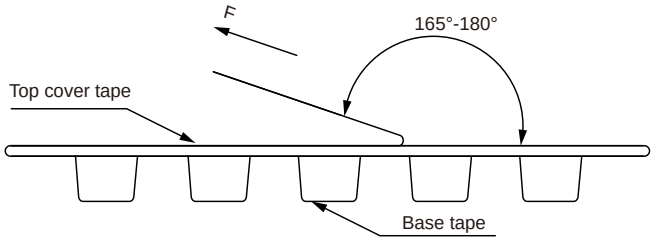
Packaging Information:

Tape Dimension:



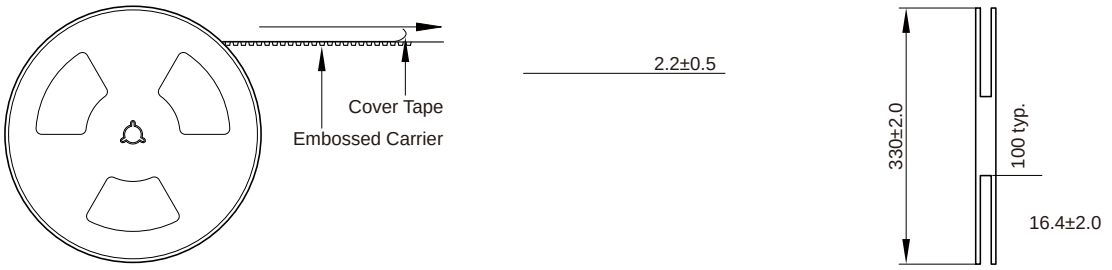
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
NRSA8040	8.55±0.1	8.55±0.1	1.5±0.1	4.0±0.1	12.0±0.1	16.0±0.3	4.4±0.1	1.75±0.1	0.40±0.05

Peel force of top cover tape:

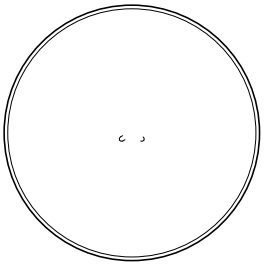


The peel force of top cover tape shall be between 0.3 to 1.17 N

Reel Dimension：[mm]



Packaging Quantity:



1000 Pcs/Reel　　2 Reel /Inner box(2K Pcs)　　3 Inner box/Carton box(6K Pcs)

Cautions and Warnings:

Storage Conditions：

Operation Instructions: