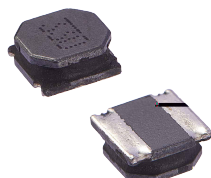


NRSA Series

SMD Power Inductors For Automotive

Size 6028



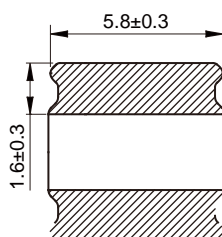
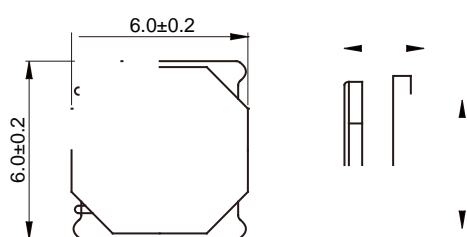
FEATURES

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

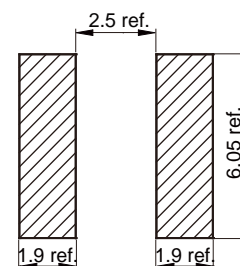
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



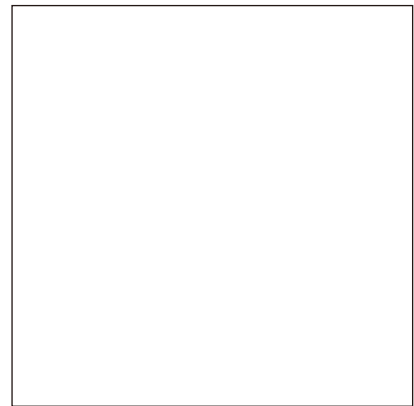
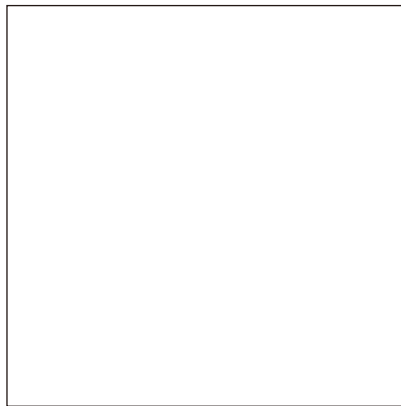
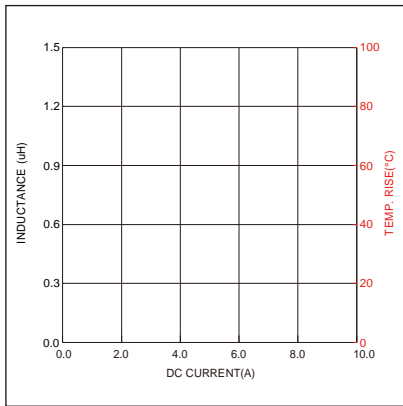
Electrical Properties:

Inductance @ 100KHz/1V	Current Typ.	Temperature Rise Current Typ.	
	5.75	5.20 6.8	±30%
	5.30	10	±30%
	5.00	15	±20%
	4.30	22	±20%
	3.20		±20%
	2.85		±20%
	2.10	68	±20%
	2.00	100	±20%
	1.60		
	1.40		
	1.15		
NRSA6028-680M	1.00		
NRSA6028-101M	0.80		

Saturation Current will cause L to drop approximately 30%

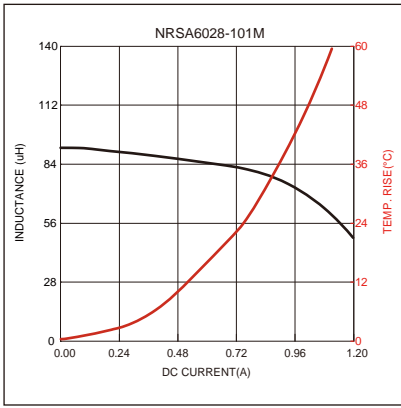
Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$

Typical Electrical Characteristics:

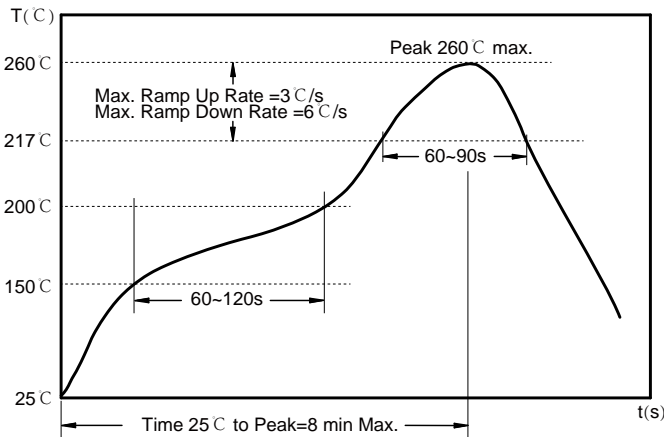


0.0 1.2 2.4 3.6 4.8 6.0

0.0 1.0 2.0 3.0 4.0 5.0



Soldering Reflow:



Preheat condition: 150 ~200 °C / 60~120 sec.

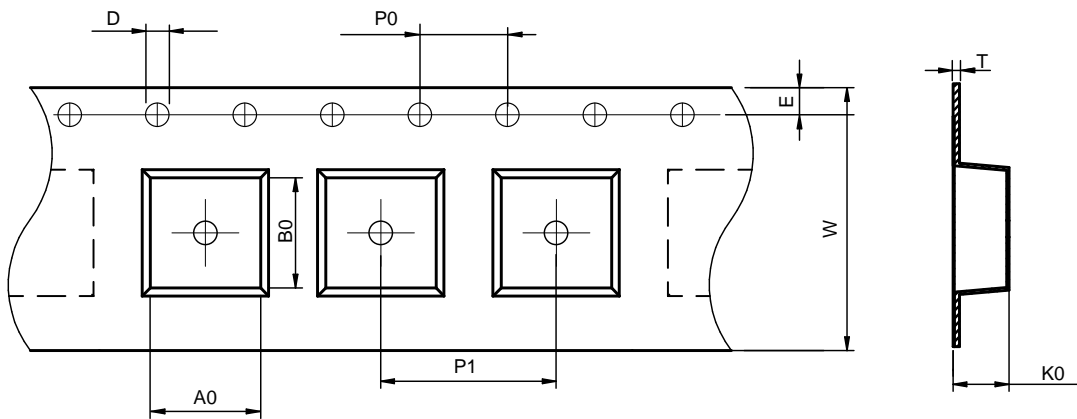
Allowed time above 217 °C : 60~90 sec.

Max temperature: 260 °C .

Allowed Reflow time: 2x max.

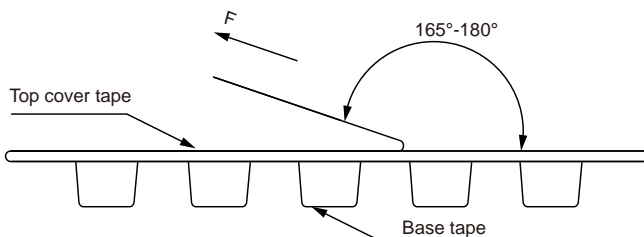
Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
NRSA6028	6.4±0.1	6.4±0.1	1.5±0.1	4.0±0.1	8.0±0.1	16.0±0.3	3.3±0.1	1.75±0.1	0.40±0.03

Peel force of top cover tape:



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

Product Marking:

Marking	Printing (Inductance)
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Reel Dimension: [mm]



Packaging Quantity: