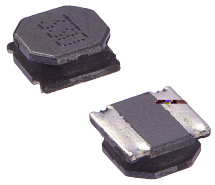
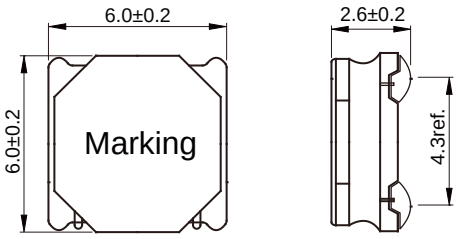
SMD Power Inductors For Automotive
Size 6028



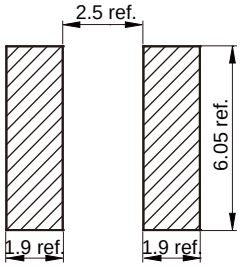
- Magne c shield type wound inductor for power circuits using a ferrite magne c material
- High magne c shield construc on and compa ble with high-density moun ng.
- Larger current and lower Rdc were achieved by op mizing the ferrite core figure.
- Opera ng temperature: –55 to +125°C(including self-temperature rise)
- AEC-Q200 qualified
- Quan ty: 2000pcs

- Car naviga on, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]

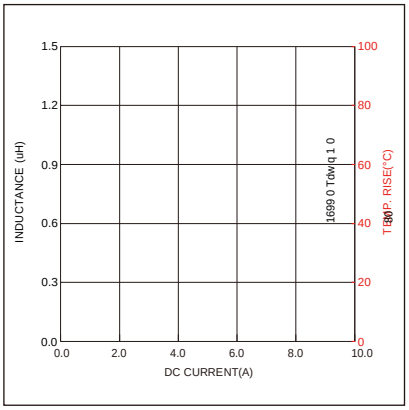


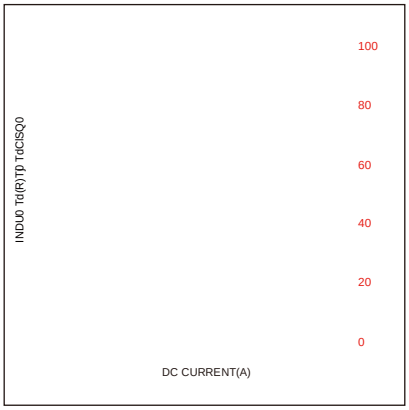
Electrical Properties:

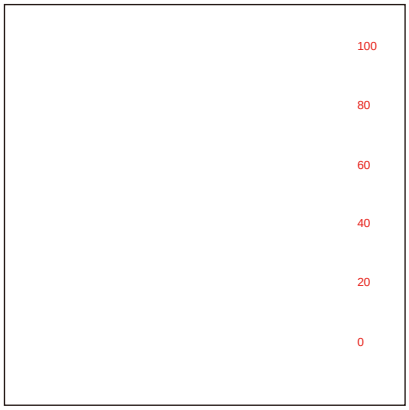
	(μH)		Satura on (A)	(A)	(mΩ)	(MHZ)
NRSA6028-1R0N	1.0	±30%	5.75	5.20	10	80
NRSA6028-1R5N	1.5	±30%	5.30	4.95	14	72
NRSA6028-2R2M	2.2	±20%	5.00	4.50	18	53
NRSA6028-3R3M	3.3	±20%	4.30	3.60	24	38
NRSA6028-4R7M	4.7	±20%	3.20	3.10	30	30
NRSA6028-6R8M	6.8	±20%	2.85	2.50	47	22
NRSA6028-100M	10	±20%	2.10	2.00	65	21
NRSA6028-150M	15	±20%	2.00	1.80	98	10
NRSA6028-220M	22	±20%	1.60	1.50	138	9
NRSA6028-330M	33	±20%	1.40	1.30	200	8
NRSA6028-470M	47	±20%	1.15	1.06	280	7
NRSA6028-680M	68	±20%	1.00	0.81	420	5
NRSA6028-101M	100	±20%	0.80	0.72	605	4

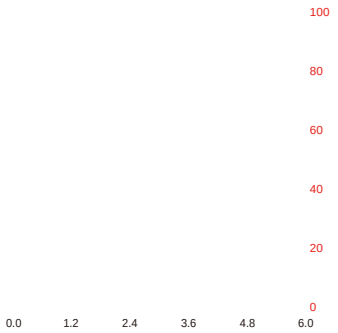
Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

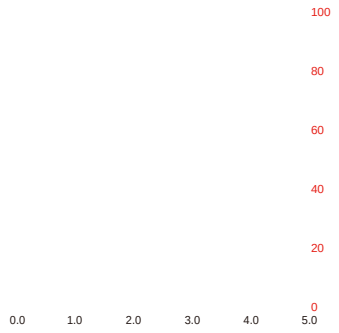
Typical Electrical Characteristics:

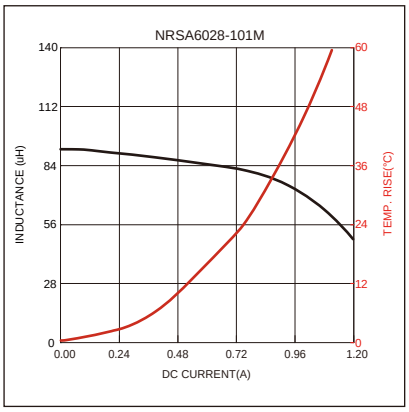











NRSA6028-101M
140
112
84
56
28
0
INDUCTANCE (μH)
60
48
36
24
12
0
TEMP. RISE(°C)
0.00
0.24
0.48
0.72
0.96
1.20
DC CURRENT(A)

Soldering Reflow:

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

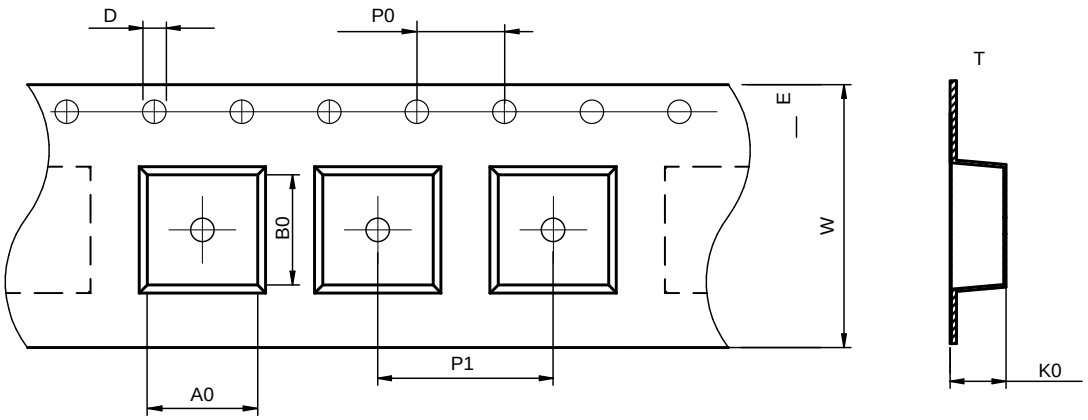
Allowed time above 217℃: 60~90 sec.

Max temperature: 260℃.

Allowed Reflow time: 2x max.

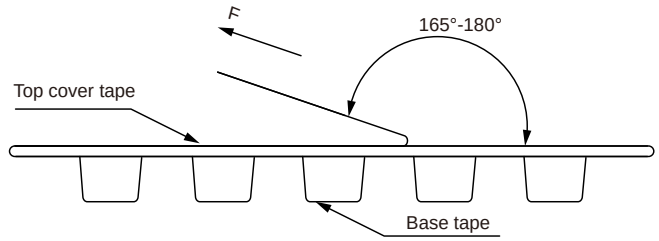
Packaging Information:

Tape Dimension:



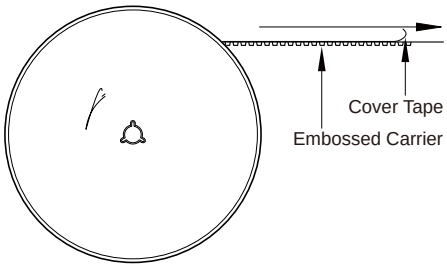
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
NRSA6028	6.4±0.1	6.4±0.1	1.5±0.1	4.0±0.1	8.0±0.1	16.0±0.3	3.3±0.1	1.75±0.1	0.40±0.03

Peel force of top cover tape:



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

Reel Dimension：[mm]



Packaging Quantity: