

NRSA Series

SMD Power Inductors For Automotive

Size 6028



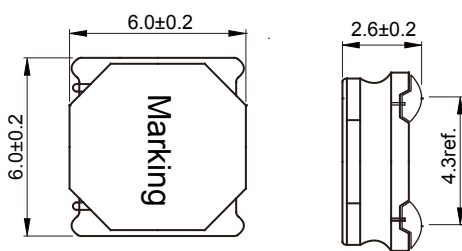
FEATURES

- 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)
- High reliability -Reliability test meet AEC-Q200
- Quantity: 2000pcs

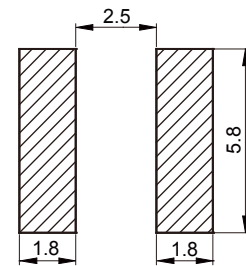
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L@100KHz/1V (μ H)	Tolerance	I _{SAT} Typ. (A)	I _R Typ. (A)	R _{DC} $\pm$ 20% (m Ω)
NRSA6028-1R0N	1.0	$\pm$ 30%	5.75	5.20	10
NRSA6028-1R5N	1.5	$\pm$ 30%	5.30	4.95	14
NRSA6028-2R2M	2.2	$\pm$ 20%	5.00	4.50	18
NRSA6028-3R3M	3.3	$\pm$ 20%	4.30	3.60	24
NRSA6028-4R7M	4.7	$\pm$ 20%	3.20	3.10	30
NRSA6028-6R8M	6.8	$\pm$ 20%	2.85	2.50	47
NRSA6028-100M	10	$\pm$ 20%	2.10	2.00	65
NRSA6028-150M	15	$\pm$ 20%	2.00	1.80	98
NRSA6028-220M	22	$\pm$ 20%	1.60	1.50	138
NRSA6028-330M	33	$\pm$ 20%	1.40	1.30	200
NRSA6028-470M	47	$\pm$ 20%	1.15	1.06	280

I_R will cause the coil temperature rise approximately $\Delta t_{40}^{\circ}\text{C}$

I_{SAT} will cause L to drop approximately 30% max.

Typical Electrical Characteristics:

