

NRSA Series

SMD Power Inductors For Automotive Size 6020



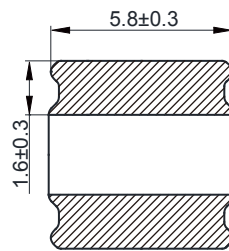
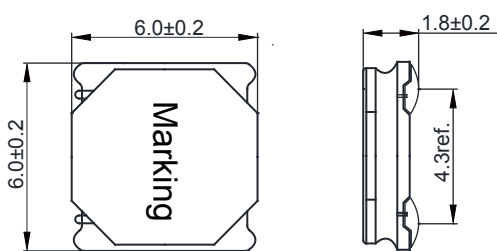
FEATURES

- 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

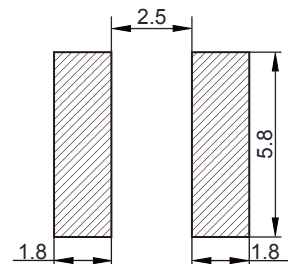
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L@100KHz/1V (μH)	Tolerance	I _{SAT} Typ. (A)	I _R Typ. (A)	R _{DC} ±20% (mΩ)
NRSA6020-1R0M	1.0	±20%	6.20	4.50	19
NRSA6020-1R5M	1.5	±20%	5.50	3.80	22.5
NRSA6020-2R0M	2.0	±20%	5.30	3.65	25
NRSA6020-2R2M	2.2	±20%	5.00	3.50	29
NRSA6020-3R3M	3.3	±20%	4.00	3.30	35
NRSA6020-4R7M	4.7	±20%	3.00	2.80	54
NRSA6020-5R6M	5.6	±20%	2.70	2.60	59
NRSA6020-6R8M	6.8	±20%	2.60	2.50	78
NRSA6020-8R2M	8.2	±20%	2.40	2.30	103
NRSA6020-100M	10	±20%	2.10	2.10	106
NRSA6020-150M	15	±20%	1.50	1.60	138
NRSA6020-220M	22	±20%	1.30	1.40	204

I_R will cause the coil temperature rise approximately Δt40 °C

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

Typical Electrical Characteristics:

