

NRSA Series

SMD Power Inductors For Automotive

Size 2520



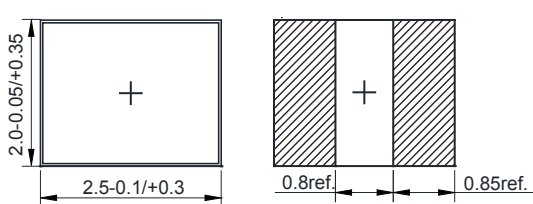
FEATURES

- 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

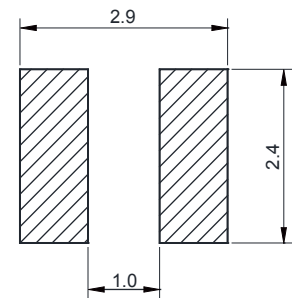
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L @0.1V/1MHz (μ H)	Tolerance	I _{SAT} Typ. (A)	I _{SAT} Max. (A)	I _R Typ. (A)	I _R Max. (A)	R _{DC} Max. (m Ω)
NRSA2520-R47M	0.47	±20%	2.50	2.20	1.45	1.25	96
NRSA2520-R68M	0.68	±20%	2.05	1.80	1.35	1.15	120
NRSA2520-1R0M	1.0	±20%	1.75	1.50	1.20	1.05	145
NRSA2520-1R5M	1.5	±20%	1.65	1.45	1.05	0.95	200
NRSA2520-2R2M	2.2	±20%	1.40	1.20	0.95	0.85	250
NRSA2520-3R3M	3.3	±20%	1.10	0.95	0.85	0.75	360
NRSA2520-4R7M	4.7	±20%	0.90	0.80	0.70	0.63	480
NRSA2520-6R8M	6.8	±20%	0.75	0.65	0.55	0.50	800
NRSA2520-100M	10	±20%	0.55	0.50	0.45	0.41	1110

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:

