

NRFA Series

Metal Core SMD Power Inductors For Automotive Size 201610



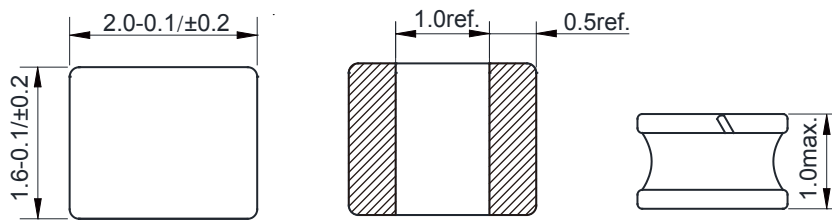
FEATURES

- Metal Core SMD Power Inductors for Automotive power circuits
- 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 range: -55 to +125°C(including self-temperature rise)
- High reliability -Reliability test meet AEC-Q200
- Quantity: 2000pcs

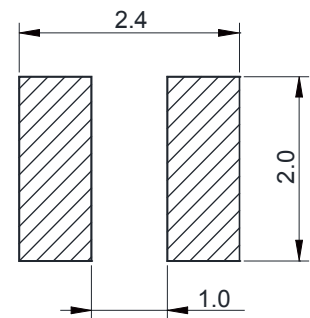
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L @1V/1MHz (μH)	Tolerance	I _{SAT} Typ. (A)	I _{SAT} Max. (A)	I _R Typ. (A)	I _R Max. (A)	R _{DC} Max. (Ω)
NRFA201610-R47M	0.47	±20%	5	4	4.5	4	0.038
NRFA201610-R68M	0.68	±20%	3.3	2.9	3.8	3.4	0.044
NRFA201610-1R0M	1.0	±20%	3.00	2.5	3.1	2.8	0.070
NRFA201610-1R5M	1.5	±20%	2.7	2.4	2.3	2.0	0.125
NRFA201610-2R2M	2.2	±20%	2.1	1.7	2.1	1.9	0.130

I_R will cause the coil temperature rise approximately Δt40 °C

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

Typical Electrical Characteristics:

