

NRFA Series

Metal Core SMD Power Inductors For Automotive Size 3010



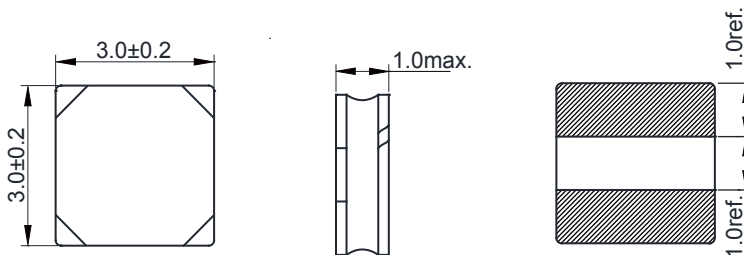
FEATURES

- 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

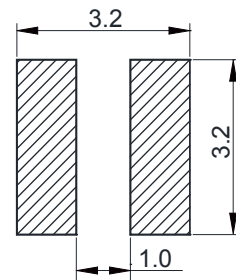
APPLICATION

- 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)
NRFA3010-R47M	0.47	±20%	6.80	5.80	4.00	3.50	0.039
NRFA3010-R68M	0.68	±20%	6.00	5.00	3.80	3.00	0.058
NRFA3010-1R0M	1.00	±20%	5.30	4.60	3.00	2.50	0.080
NRFA3010-1R5M	1.50	±20%	4.00	3.50	2.80	2.30	0.100
NRFA3010-2R2M	2.20	±20%	3.20	2.70	2.30	2.00	0.135
NRFA3010-3R3M	3.30	±20%	2.50	2.20	1.80	1.50	0.238
NRFA3010-4R7M	4.70	±20%	2.20	1.90	1.60	1.30	0.315
NRFA3010-6R8M	6.80	±20%	1.70	1.40	1.30	1.10	0.360
NRFA3010-100M	10.0	±20%	1.30	1.10	1.10	1.00	0.420

I_R will cause the coil temperature rise approximately Δt40 °C

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

Typical Electrical Characteristics:

