

NRHA Series

Inductors For Power Circuits Wound Ferrite Size 201610



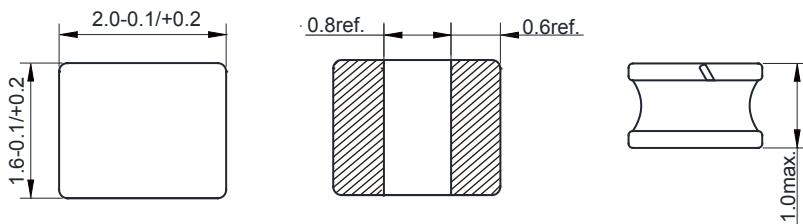
FEATURES

- 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 range: -55 to +125°C(including self-temperature rise)
- High reliability -Reliability test meet AEC-Q200
- Quantity: 2000pcs

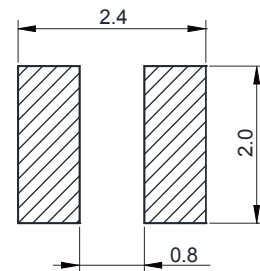
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L @0.1V/1MHz (μ H)	Tolerance	I _{SAT} Typ. (A)	I _{SAT} Max. (A)	I _R Typ. (A)	I _R Max. (A)	R _{DC} $\pm$ 20% (m Ω)
NRHA201610-R47N	0.47	$\pm$ 30%	3.0	2.7	2.6	2.35	44
NRHA201610-R68N	0.68	$\pm$ 30%	2.45	2.00	2.25	2.05	62
NRHA201610-1R0N	1.0	$\pm$ 30%	1.95	1.80	1.75	1.60	80
NRHA201610-1R5N	1.5	$\pm$ 30%	1.65	1.46	1.40	1.26	130
NRHA201610-2R2M	2.2	$\pm$ 20%	1.45	1.26	1.35	1.20	145
NRHA201610-3R3M	3.3	$\pm$ 20%	1.05	0.90	1.05	0.95	245
NRHA201610-4R7M	4.7	$\pm$ 20%	0.85	0.77	1.00	0.90	360
NRHA201610-6R8M	6.8	$\pm$ 20%	0.80	0.72	0.70	0.55	500
NRHA201610-100M	10	$\pm$ 20%	0.62	0.55	0.50	0.45	720
NRHA201610-150M	15	$\pm$ 20%	0.50	0.45	0.40	0.36	1400
NRHA201610-180M	18	$\pm$ 20%	0.45	0.40	0.38	0.34	1800
NRHA201610-220M	22	$\pm$ 20%	0.43	0.38	0.30	0.27	2000

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

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

Typical Electrical Characteristics:

