

NRHA Series

Inductors For Power Circuits Wound Ferrite Size 252012



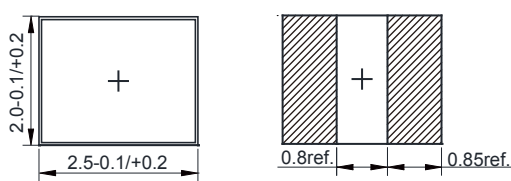
FEATURES

- 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

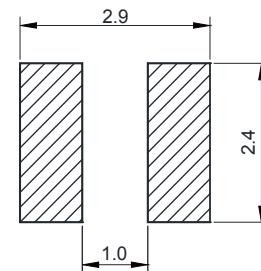
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L @0.1V/1MHz (μH)	Tolerance	I _{SAT} Typ. (A)	I _{SAT} Max. (A)	I _R Typ. (A)	I _R Max. (A)	R _{DC} ±20% (mΩ)
NRHA252012-R47N	0.47	±30%	4	3.6	3.7	3.35	28
NRHA252012-R68N	0.68	±30%	3	2.7	3.3	3.00	36
NRHA252012-1R0N	1.0	±30%	2.7	2.45	2.6	2.30	49
NRHA252012-1R5N	1.5	±30%	2.3	2.05	2.2	1.95	63
NRHA252012-2R2M	2.2	±20%	2.15	1.95	1.85	1.65	80
NRHA252012-3R3M	3.3	±20%	1.7	1.5	1.45	1.30	120
NRHA252012-4R7M	4.7	±20%	1.5	1.35	1.2	1.05	176
NRHA252012-6R8M	6.8	±20%	1.15	1.00	1.00	0.90	250
NRHA252012-100M	10	±20%	0.85	0.75	0.75	0.65	410
NRHA252012-150M	15	±20%	0.63	0.56	0.6	0.54	540
NRHA252012-220M	22	±20%	0.56	0.50	0.50	0.45	850

I_R will cause the coil temperature rise approximately Δt40 °C

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

Typical Electrical Characteristics:

