

NRSA Series

SMD Power Inductors For Automotive

Size 4010



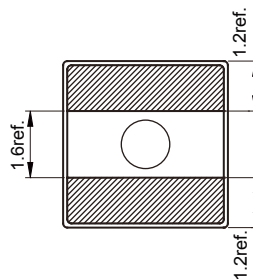
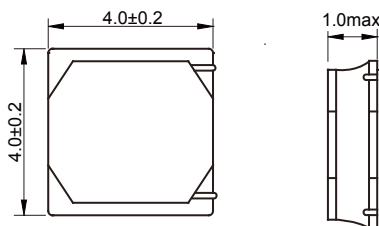
FEATURES

- 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: 5000pcs

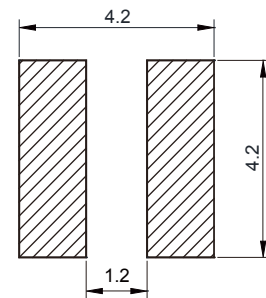
APPLICATION

- Car navigation, car stereo and car accessories only

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L @1V/100KHz (μH)	Tolerance	I _{SAT} Typ. (A)	I _{SAT} Max. (A)	I _R Typ. (A)	I _R Max. (A)	R _{DC} ±20% (mΩ)
NRSA4010-1R0N	1.0	±30%	2.40	2.00	2.30	1.90	56
NRSA4010-2R2M	2.2	±20%	1.50	1.20	1.80	1.50	85
NRSA4010-3R3M	3.3	±20%	1.30	1.10	1.70	1.40	100
NRSA4010-4R7M	4.7	±20%	1.20	0.95	1.50	1.20	140
NRSA4010-6R8M	6.8	±20%	1.00	0.80	1.20	1.00	200
NRSA4010-100M	10.0	±20%	0.80	0.62	0.90	0.75	300
NRSA4010-150M	15.0	±20%	0.70	0.54	0.80	0.60	430
NRSA4010-220M	22	±20%	0.60	0.45	0.80	0.50	570

I_R will cause the coil temperature rise approximately Δt40°C

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

Typical Electrical Characteristics:

