

NRSE Series
SMD Shielded Tiny Power Inductor
Size 3012



CHARACTERISTICS

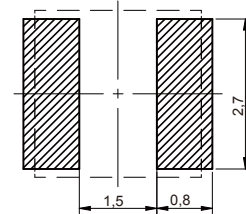
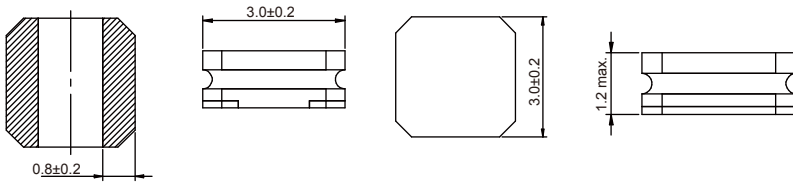
- Magnetic resin for higher current and semi-magnetically shielded
- Different sizes from 2mm to 8mm in square shape
- Quantity: 2000pcs

APPLICATION

- DC/DC converter
- LC filter

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (μH)	Tolerance	Saturation current (A)	Temperature Rise Current (A)	DCR ±30% (mΩ)
NRSE3012-R33N	0.33	±30%	3.00	2.90	21
NRSE3012-R47N	0.47	±30%	2.20	2.20	33
NRSE3012-R82N	0.82	±30%	2.05	2.10	40
NRSE3012-1R0N	1.0	±30%	1.90	2.00	48
NRSE3012-1R5N	1.5	±30%	1.62	1.85	55
NRSE3012-2R2M	2.2	±20%	1.20	1.55	75
NRSE3012-3R3M	3.3	±20%	1.05	1.35	100
NRSE3012-4R7M	4.7	±20%	0.90	1.25	120
NRSE3012-5R6M	5.6	±20%	0.80	1.10	160
NRSE3012-6R8M	6.8	±20%	0.75	1.00	190
NRSE3012-100M	10	±20%	0.60	0.89	265
NRSE3012-150M	15	±20%	0.45	0.72	430
NRSE3012-220M	22	±20%	0.42	0.55	630
NRSE3012-270M	27	±20%	0.35	0.45	800
NRSE3012-330M	33	±20%	0.36	0.46	875
NRSE3012-470M	47	±20%	0.27	0.35	1450

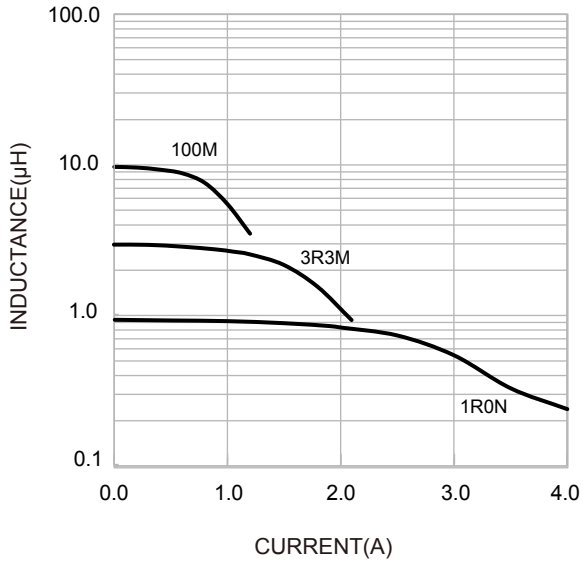
Operating temperature : -40°C ~ +125°C

Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C

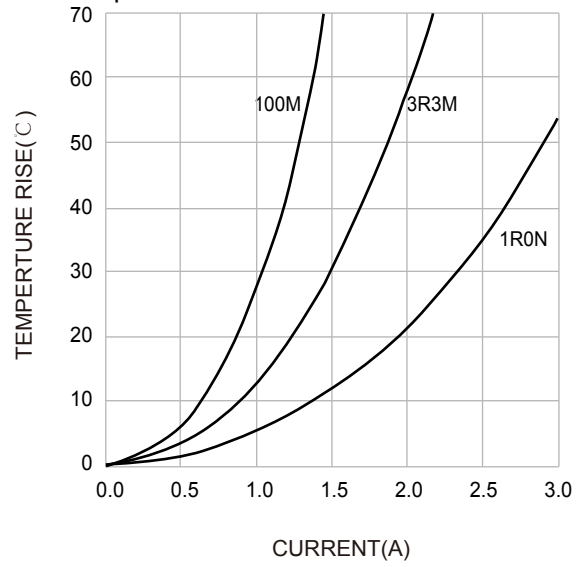
Saturation Current that will cause initial inductance to drop approximately 30%

Typical Electrical Characteristics:

Inductance VS. Current Characteristics:



Temperture Rise VS. Current Characteristics:



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Fixed Inductors](#) category:

Click to view products by [KOHER](#) manufacturer:

Other Similar products are found below :

[CR32NP-100KC](#) [CR54NP-470LC](#) [70F224AI](#) [MGDQ4-00004-P](#) [MHQ1005P10NJ](#) [MHQ1005P1N0S](#) [MHQ1005P2N4S](#) [MHQ1005P3N6S](#)
[MHQ1005P5N1S](#) [MHQ1005P8N2J](#) [PE-53601NL](#) [PE-53602NL](#) [PG0936.113NLT](#) [9220-20](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#)
[1206CS-471XJ](#) [HC2-R47-R](#) [HC8-1R2-R](#) [HCF1305-3R3-R](#) [1206CS-151XG](#) [RCH664NP-140L](#) [RCH664NP-4R7M](#) [RCP1317NP-391L](#)
[RCR110DNP-331L](#) [DH2280-4R7M](#) [DS1608C-106](#) [B10TJ](#) [B82498B3101J000](#) [ELJ-RE27NJF2](#) [1812CS-153XJ](#) [1812CS-183XJ](#) [1812CS-](#)
[223XJ](#) [1812LS-104XJ](#) [1812LS-105XJ](#) [1812LS-124XJ](#) [1812LS-154XJ](#) [1812LS-223XJ](#) [1812LS-224XJ](#) [1812LS-563XJ](#) [1812LS-683XJ](#)
[1812LS-824XJ](#) [NIN-FB101JTR110F](#) [NIN-FB471JTR62F](#) [NIN-FC1R5JTR220F](#) [NIN-HCR15JTRF](#) [NIN-HCR33JTRF](#) [NIN-HDR22JTRF](#)