

NRSE Series
SMD Shielded Tiny Power Inductor
Size 2512



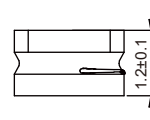
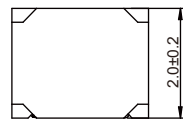
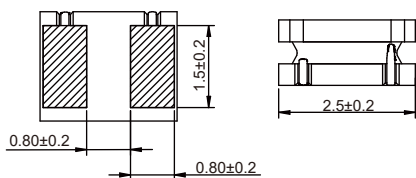
CHARACTERISTICS

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

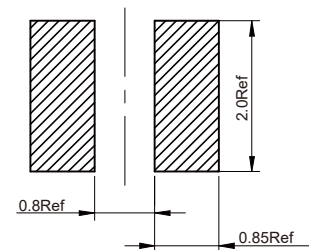
APPLICATION

- DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

| Part No | Inductance (μH) | Tolerance | Saturation current Max. (A) | Saturation current Typ. (A) | Temperature Rise Current Max. (A) | Temperature Rise Current Typ. (A) | DCR Max. (Ω) |
|---------------|-----------------|-----------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|--------------|
| NRSE2512-R24M | 0.24 | ±20% | 4.10 | 4.80 | 4.10 | 4.50 | 0.023 |
| NRSE2512-R33M | 0.33 | ±20% | 4.00 | 4.70 | 3.35 | 3.70 | 0.031 |
| NRSE2512-R47M | 0.47 | ±20% | 3.80 | 4.50 | 3.00 | 3.30 | 0.036 |
| NRSE2512-R68M | 0.68 | ±20% | 3.00 | 3.30 | 2.30 | 2.50 | 0.047 |
| NRSE2512-1R0M | 1.0 | ±20% | 2.25 | 2.50 | 2.30 | 2.60 | 0.060 |
| NRSE2512-1R2M | 1.2 | ±20% | 2.20 | 2.50 | 2.00 | 2.20 | 0.078 |
| NRSE2512-1R5M | 1.5 | ±20% | 2.00 | 2.35 | 1.80 | 2.00 | 0.090 |
| NRSE2512-1R8M | 1.8 | ±20% | 1.95 | 2.20 | 1.75 | 1.90 | 0.108 |
| NRSE2512-2R2M | 2.2 | ±20% | 1.75 | 1.90 | 1.75 | 1.90 | 0.108 |
| NRSE2512-2R7M | 2.7 | ±20% | 1.30 | 1.60 | 1.40 | 1.50 | 0.156 |
| NRSE2512-3R3M | 3.3 | ±20% | 1.20 | 1.35 | 1.40 | 1.50 | 0.156 |
| NRSE2512-4R7M | 4.7 | ±20% | 1.10 | 1.20 | 1.10 | 1.20 | 0.228 |
| NRSE2512-5R6M | 5.6 | ±20% | 1.00 | 1.10 | 1.00 | 1.15 | 0.330 |
| NRSE2512-6R8M | 6.8 | ±20% | 0.90 | 1.10 | 0.95 | 1.05 | 0.360 |
| NRSE2512-100M | 10 | ±20% | 0.70 | 0.85 | 0.78 | 0.86 | 0.522 |
| NRSE2512-150M | 15 | ±20% | 0.60 | 0.70 | 0.50 | 0.60 | 1.000 |
| NRSE2512-220M | 22 | ±20% | 0.45 | 0.55 | 0.48 | 0.55 | 1.290 |

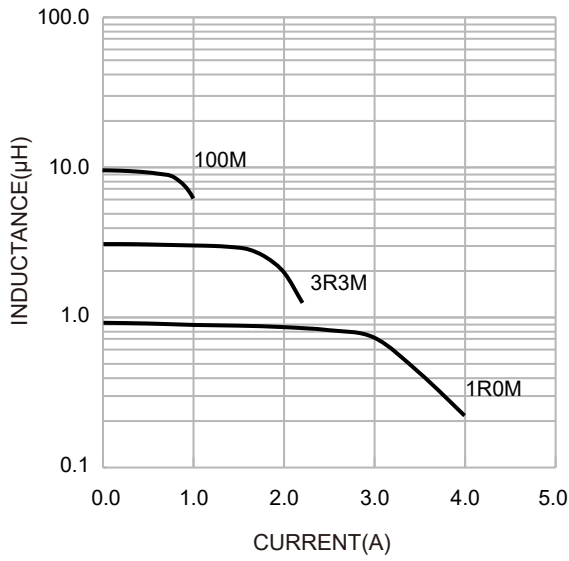
Operating temperature : -40 °C ~ +125 °C

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

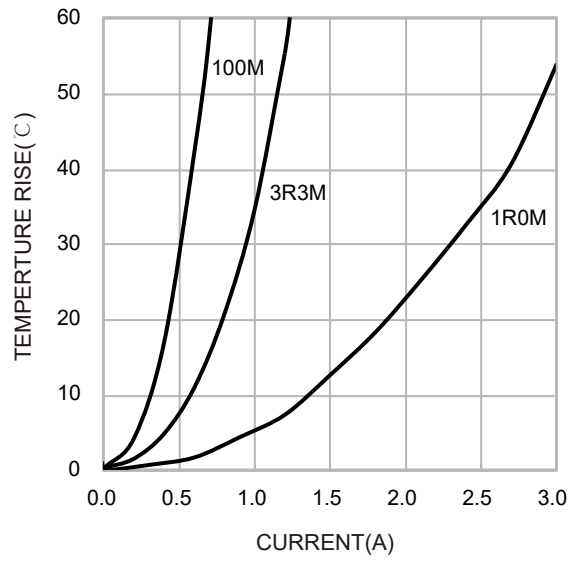
Saturation Current that will cause initial inductance to drop approximately 30%

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](#)