# NRSE Series

SMD Shielded Tiny Power Inductor
Size 2016

## CHARACTERISTICS

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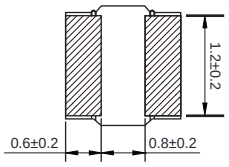
| | | | | | |
|---|---|---|---|---|---|
| | | Satura on | Satura on | | |
| | | | | (mΩ) | (mΩ) |
| 3.10 | 2.80 | 3.70 | 33.0 | 40.0 | |
| 2.90 | 2.40 | 3.00 | 41.0 | 48.0 | |
| 2.60 | 2.30 | 2.30 | 50.0 | 60.0 | |
| 2.20 | 2.00 | 1.95 | 63.0 | 76.0 | |
| 1.60 | 1.45 | 1.65 | 96.0 | 114 | |
| 1.20 | 1.10 | 1.35 | 145 | 174 | |
| 1.15 | 1.05 | 1.20 | 215 | 265 | |
| 0.95 | 0.85 | 1.00 | 290 | 345 | |
| 0.80 | 0.70 | 0.75 | 400 | 480 | |
| 0.60 | 0.55 | 0.70 | 610 | 800 | |
| 0.60 | 0.53 | 0.68 | 730 | 940 | |
| 0.60 | 0.50 | 0.65 | 800 | 1000 | |
| 0.42 | 0.36 | 0.62 | 1100 | 1430 | |
| 0.38 | 0.30 | 0.50 | 1300 | 1700 | |
| 0.36 | 0.30 | 0.32 | 1400 | 1700 | |

## Dimensions: [mm]




## Land Pattern: [mm]

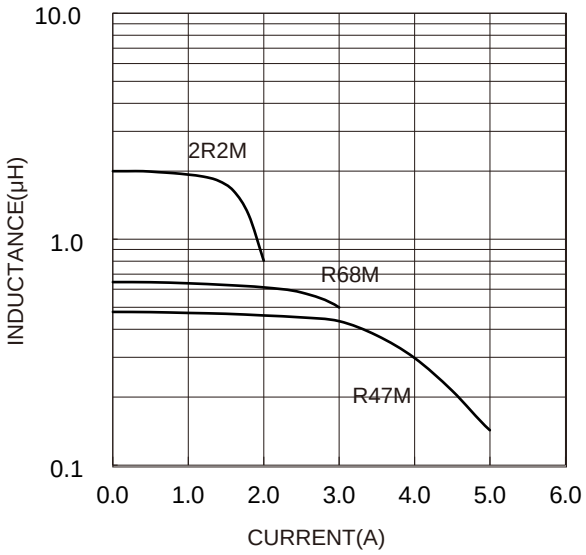
## Electrical Properties:

| | (μH) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NRSE2016-R24M | 0.24 | | | | | | | |
| NRSE2016-R33M | 0.33 | | | | | | | |
| NRSE2016-R47M | 0.47 | | | | | | | |
| NRSE2016-R68M | 0.68 | | | | | | | |
| NRSE2016-1R0M | 1.00 | | | | | | | |
| NRSE2016-1R5M | 1.50 | | | | | | | |
| NRSE2016-2R2M | 2.20 | | | | | | | |
| NRSE2016-3R3M | 3.30 | | | | | | | |
| NRSE2016-4R7M | 4.70 | | | | | | | |
| NRSE2016-6R8M | 6.80 | | | | | | | |
| NRSE2016-8R2M | 8.20 | | | | | | | |
| NRSE2016-100M | 10.0 | | | | | | | |
| NRSE2016-120M | 12.0 | | | | | | | |
| NRSE2016-150M | 15.0 | | | | | | | |
| NRSE2016-220M | 22.0 | | | | | | | |

Opera ng temperature : -40℃ ~ +125℃
Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃
Satura on Current that will cause ini al inductance to drop approximately 30%

# Typical Electrical Characteristics:

Inductance VS DC Current Characteristics:




Temp. Rise VS DC Current Characteristics: