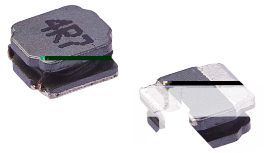
# NRSE Series

SMD Shielded Tiny Power Inductor

Size 6028



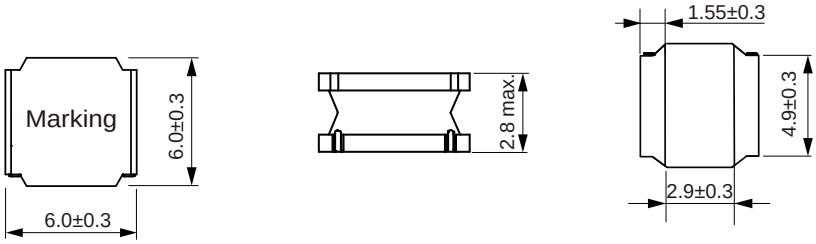
**CHARACTERISTICS**

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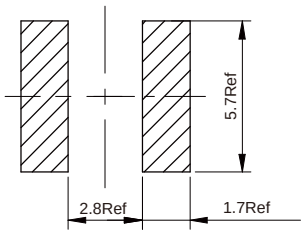
**APPLICATION**

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## Dimensions: [mm]




## Land Pattern: [mm]




## Electrical Properties:

| Part No | Inductance @100KHz/0.25V (μH) | Tolerance | Satura on current (A) | Temperature Rise Current (A) | DCR ±30% (mΩ) |
|---|---|---|---|---|---|
| | | ±30% | 6.70 | 4.60 | 12 |
| | 1.2 | ±30% | 6.50 | 4.30 | 16 |
| | 1.5 | ±30% | 6.00 | 4.30 | 16 |
| | 1.8 | ±30% | 5.30 | 4.10 | 19 |
| | 2.2 | ±30% | 5.10 | 3.75 | 20 |
| | 3.3 | ±30% | 3.63 | 3.40 | 25 |
| | 4.7 | ±30% | 3.00 | 3.00 | 33 |
| | 5.6 | ±30% | 2.80 | 2.45 | 45 |
| | 6.8 | ±20% | 2.60 | 2.40 | 56 |
| | 8.2 | ±20% | 2.40 | 2.25 | 68 |
| | 10 | ±20% | 2.05 | 1.90 | 78 |
| | 12 | ±20% | 1.80 | 1.70 | 88 |
| | 15 | ±20% | 1.75 | 1.50 | 125 |
| | 18 | ±20% | 1.55 | 1.45 | 130 |
| | 22 | ±20% | 1.45 | 1.40 | 140 |
| | 27 | ±20% | 1.40 | 1.30 | 180 |
| | 33 | ±20% | 1.35 | 1.10 | 220 |

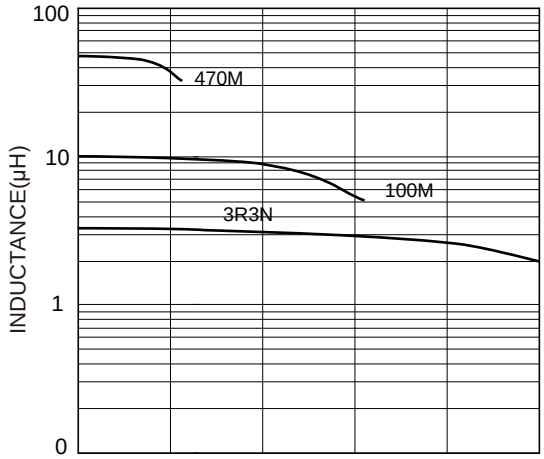
| Part No | Inductance @100KHz/0.25V (μH) | Tolerance | Satura on current (A) | Temperature Rise Current (A) | DCR ±30% (mΩ) |
|---|---|---|---|---|---|
| | 39 | ±20% | 1.25 | 1.10 | 225 |
| | 47 | ±20% | 1.15 | 1.05 | 280 |
| | 68 | ±20% | 0.95 | 0.85 | 420 |
| | 82 | ±20% | 0.80 | 0.70 | 550 |
| | 100 | ±20% | 0.65 | 0.60 | 670 |
| | 120 | ±20% | 0.62 | 0.58 | 820 |

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## Typical Electrical Characteristics:

Inductance VS. Current Characteristics:




Temperture Rise VS. Current Characteristics:

