# NRSM Series

Wire Wound SMD Power Inductor

Size 3015



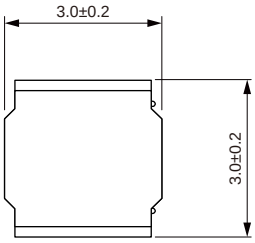
## FEATUERS

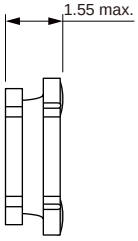
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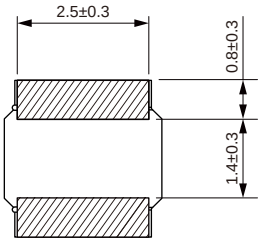
## APPLICATION

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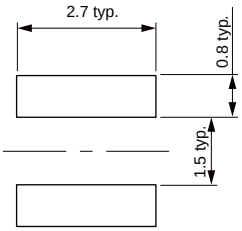
## Dimensions: [mm]




## Land Pattern: [mm]




## Electrical Properties:

| Inductance @ 1MHz/1V (μH) | Tolerance | Temperature Rise Current Typ. (A) | Temperature Rise Current Max. (A) | Satura on Current Typ. (A) | Satura on Current Max. (A) | DC Resistance Typ. (Ω) | DC Resistance Max. (Ω) |
|---|---|---|---|---|---|---|---|
| | ±20% | 5.90 | 5.00 | 11.0 | 8.80 | 0.0154 | 0.019 |
| | ±20% | 5.90 | 5.00 | 10.6 | 8.60 | 0.0154 | 0.019 |
| 0.22 | ±20% | 5.80 | 4.90 | 10.0 | 8.00 | 0.016 | 0.021 |
| 0.24 | ±20% | 5.00 | 4.60 | 9.50 | 7.60 | 0.020 | 0.026 |
| 0.33 | ±20% | 4.50 | 3.80 | 8.30 | 7.00 | 0.028 | 0.0365 |
| 0.47 | ±20% | 3.80 | 3.30 | 7.00 | 5.80 | 0.037 | 0.048 |
| 0.68 | ±20% | 2.70 | 2.20 | 5.50 | 4.60 | 0.055 | 0.072 |
| 1.00 | ±20% | 2.50 | 2.20 | 4.60 | 3.70 | 0.074 | 0.095 |
| 1.50 | ±20% | 2.30 | 2.20 | 3.40 | 3.00 | 0.110 | 0.150 |
| 2.20 | ±20% | 1.90 | 1.70 | 3.00 | 2.50 | 0.150 | 0.185 |
| 3.30 | ±20% | 1.35 | 1.20 | 2.40 | 2.00 | 0.245 | 0.320 |
| 4.70 | ±20% | 1.20 | 1.10 | 2.00 | 1.60 | 0.350 | 0.450 |
| 6.80 | ±20% | 1.20 | 1.10 | 1.75 | 1.45 | 0.460 | 0.610 |
| 10.0 | | | | | | | |
| 15.0 | | | | | | | |

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

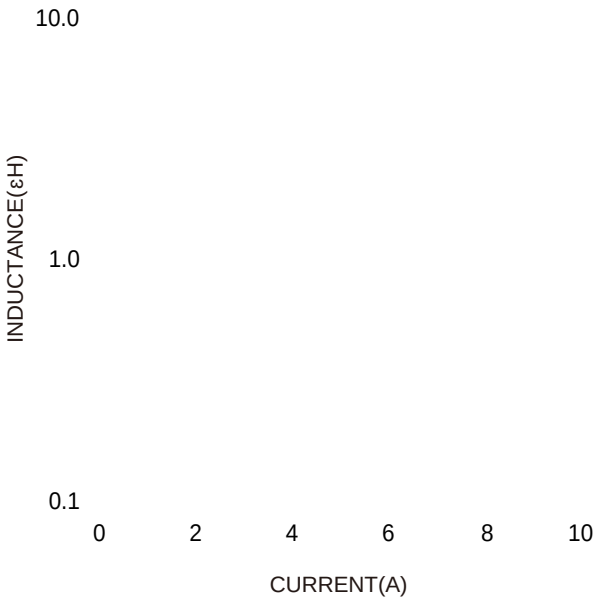
Temperature Rise Current: For max value,φT<40℃; For Typ value,φT is approximate 40℃.



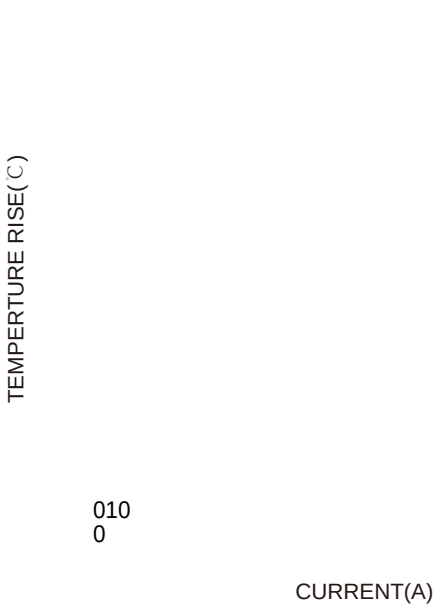
KOHER Electronic
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# Typical Electrical Characteristics:

Inductance VS. Current Characteristics:




Temperture Rise VS. Current Characteristics:




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