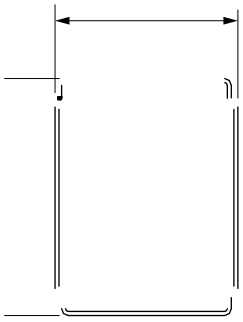
**NRSM Series**
Wire Wound SMD Power Inductor
Size 201610

Dimensions: [mm]



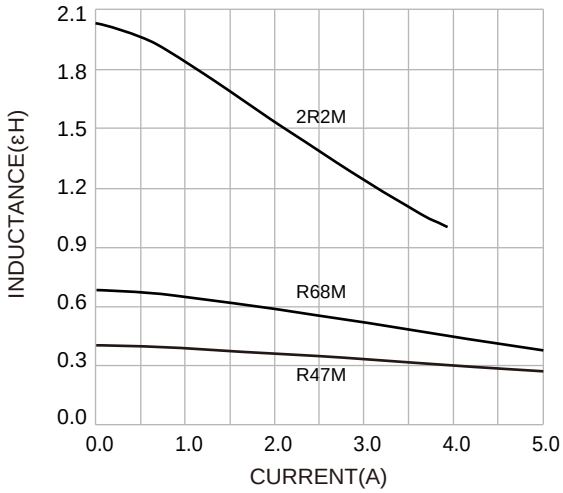
Land Pattern: [mm]

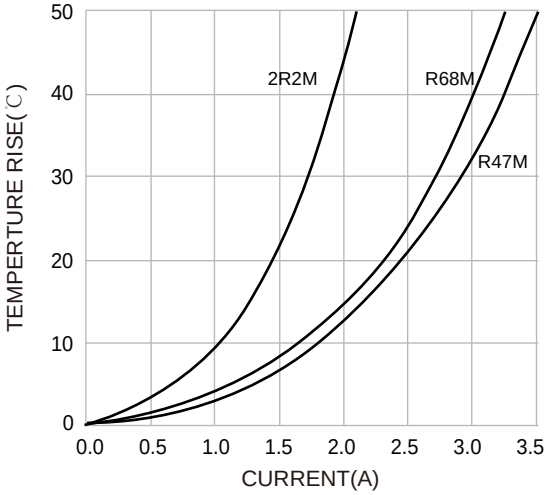
Electrical Properties:

| Part No | Inductance @ 1MHz/1V | Tolerance | Temperature Rise Current Typ. (A) | Temperature Rise Current Max. (A) | Current Typ. (A) | Current Max. (A) | DC Resistance Typ. | DC Resistance Max. |
|---|---|---|---|---|---|---|---|---|
| NRSM201610S-R24M | 0.24 | ±20% | 3.45 | 3.00 | 5.50 | 4.50 | 0.033 | 0.040 |
| NRSM201610S-R33M | 0.33 | ±20% | 3.10 | 2.70 | 5.20 | 4.40 | 0.041 | 0.049 |
| NRSM201610S-R47M | 0.47 | ±20% | 3.10 | 2.70 | 4.70 | 4.06 | 0.041 | 0.049 |
| NRSM201610S-R56M | 0.56 | ±20% | 2.80 | 2.60 | 4.50 | 3.80 | 0.043 | 0.053 |
| NRSM201610S-R68M | 0.68 | ±20% | 2.80 | 2.50 | 4.00 | 3.50 | 0.057 | 0.065 |
| NRSM201610S-1R0M | 1.00 | ±20% | 2.30 | 2.00 | 3.80 | 3.30 | 0.078 | 0.095 |
| NRSM201610S-1R5M | 1.50 | ±20% | 2.00 | 1.70 | 2.30 | 1.95 | 0.110 | 0.130 |
| NRSM201610S-2R2M | 2.20 | ±20% | 1.60 | 1.40 | 2.15 | 1.90 | 0.160 | 0.180 |
| NRSM201610S-3R3M | 3.30 | ±20% | 1.30 | 1.10 | 1.60 | 1.40 | 0.245 | 0.307 |
| NRSM201610S-4R7M | 4.70 | ±20% | 1.00 | 0.90 | 1.40 | 1.10 | 0.370 | 0.425 |
| NRSM201610S-6R8M | 6.80 | ±20% | 0.82 | 0.70 | 1.10 | 0.95 | 0.500 | 0.620 |
| NRSM201610S-8R2M | 8.20 | ±20% | 0.76 | 0.66 | 1.00 | 0.86 | 0.670 | 0.870 |
| NRSM201610S-100M | 10.0 | ±20% | 0.70 | 0.60 | 0.95 | 0.80 | 0.700 | 0.875 |
| NRSM201610S-150M | 15.0 | ±20% | 0.42 | 0.36 | 0.75 | 0.69 | 1.300 | 1.700 |

# Typical Electrical Characteristics:

Inductance VS. Current Characteristics:




Temperture Rise VS. Current Characteristics: