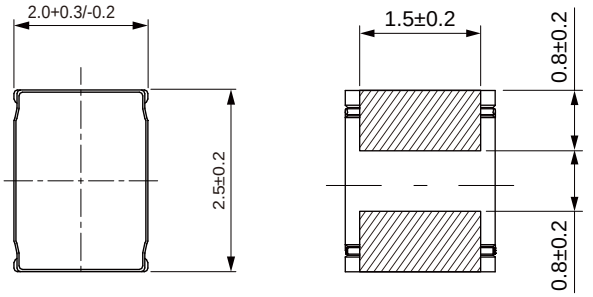
# Wire Wound SMD Power Inductor
# Size 252012

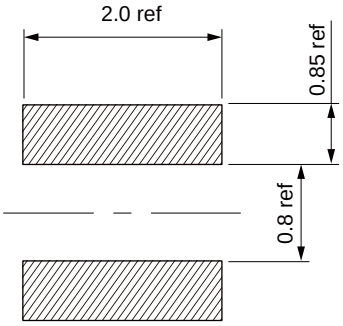


- 
- 
- 
- 
- 

## 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. |
|---|---|---|---|---|---|---|---|---|
| NRSM252012S-R24M | 0.24 | ±20% | 4.70 | 4.05 | 7.80 | 6.50 | 0.019 | 0.023 |
| NRSM252012S-R33M | 0.33 | ±20% | 4.30 | 3.70 | 6.30 | 5.35 | 0.023 | 0.028 |
| NRSM252012S-R47M | 0.47 | ±20% | 4.00 | 3.45 | 5.60 | 4.90 | 0.029 | 0.035 |
| NRSM252012S-R68M | 0.68 | ±20% | 3.60 | 3.15 | 4.50 | 3.80 | 0.039 | 0.045 |
| NRSM252012S-1R0M | 1.00 | ±20% | 3.40 | 3.00 | 4.20 | 3.60 | 0.048 | 0.054 |
| NRSM252012S-1R5M | 1.50 | ±20% | 2.80 | 2.40 | 3.50 | 2.90 | 0.060 | 0.078 |
| NRSM252012S-2R2M | 2.20 | ±20% | 2.15 | 1.90 | 3.00 | 2.60 | 0.100 | 0.120 |
| NRSM252012S-3R3M | 3.30 | ±20% | 1.80 | 1.50 | 2.10 | 1.70 | 0.175 | 0.215 |
| NRSM252012S-4R7M | 4.70 | ±20% | 1.45 | 1.25 | 1.90 | 1.60 | 0.225 | 0.260 |
| NRSM252012S-6R8M | 6.80 | ±20% | 1.10 | 0.95 | 1.40 | 1.20 | 0.305 | 0.366 |
| NRSM252012S-100M | 10.0 | ±20% | 1.00 | 0.85 | 1.35 | 1.10 | 0.435 | 0.480 |

Temperature rise current: the actual value of DC current when the temperature rise is ΔT40℃
Saturation Current that will cause initial inductance to drop approximately 30%

# Typical Electrical Characteristics:

