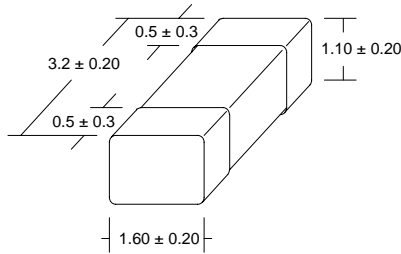


Dimensions



(Not to scale)

Dimensions in mm

Part Numbering Guide

LSML - 321611 - 47N M - T

Dimensions
(Length, Width, Height)

Inductance Code

Packaging Style

B=Bulk
T=Tape & Reel
(3000 pcs per reel)

Tolerance
K=10%, M=20%

Features

| | |
|------------------------------|-----------------------------|
| Inductance Range | 0.047 μ H to 33 μ H |
| Tolerance | 10%, 20% |
| Operating Temperature | -25°C to +85°C |

Electrical Specifications

| Inductance Code | Inductance (μ H) | Available Tolerance | Q Min | LQ Test Freq (MHz) | SRF Min (MHz) | DCR Max (Ohms) | IDC Max (mA) |
|-----------------|-----------------------|---------------------|-------|--------------------|---------------|----------------|--------------|
| 47N | 0.047 | M | 40 | 50 | 320 | 0.15 | 300 |
| 68N | 0.068 | M | 40 | 50 | 280 | 0.25 | 300 |
| R10 | 0.10 | K, M | 50 | 25 | 235 | 0.25 | 250 |
| R12 | 0.12 | K, M | 50 | 25 | 220 | 0.30 | 250 |
| R15 | 0.15 | K, M | 50 | 25 | 200 | 0.30 | 250 |
| R18 | 0.18 | K, M | 50 | 25 | 185 | 0.40 | 250 |
| R22 | 0.22 | K, M | 50 | 25 | 170 | 0.40 | 250 |
| R27 | 0.27 | K, M | 50 | 25 | 150 | 0.50 | 250 |
| R33 | 0.33 | K, M | 50 | 25 | 145 | 0.60 | 250 |
| R39 | 0.39 | K, M | 50 | 25 | 135 | 0.50 | 200 |
| R47 | 0.47 | K, M | 50 | 25 | 125 | 0.60 | 200 |
| R56 | 0.56 | K, M | 50 | 25 | 115 | 0.70 | 150 |
| R68 | 0.68 | K, M | 50 | 25 | 105 | 0.80 | 150 |
| R82 | 0.82 | K, M | 50 | 25 | 100 | 0.90 | 150 |
| 1R0 | 1.0 | K, M | 40 | 10 | 110 | 0.40 | 100 |
| 1R2 | 1.2 | K, M | 40 | 10 | 100 | 0.50 | 100 |
| 1R5 | 1.5 | K, M | 40 | 10 | 90 | 0.50 | 80 |
| 1R8 | 1.8 | K, M | 40 | 10 | 80 | 0.50 | 70 |
| 2R2 | 2.2 | K, M | 40 | 10 | 70 | 0.60 | 60 |
| 2R7 | 2.7 | K, M | 40 | 10 | 70 | 0.60 | 60 |
| 3R3 | 3.3 | K, M | 40 | 10 | 60 | 0.70 | 60 |
| 3R9 | 3.9 | K, M | 40 | 10 | 55 | 0.80 | 50 |
| 4R7 | 4.7 | K, M | 40 | 10 | 50 | 0.90 | 50 |
| 5R6 | 5.6 | K, M | 45 | 4 | 32 | 0.70 | 25 |
| 6R8 | 6.8 | K, M | 45 | 4 | 29 | 0.80 | 25 |
| 8R2 | 8.2 | K, M | 45 | 4 | 26 | 0.90 | 25 |
| 100 | 10 | K, M | 45 | 2 | 24 | 1.00 | 25 |
| 120 | 12 | K, M | 45 | 2 | 22 | 1.05 | 15 |
| 150 | 15 | K, M | 35 | 1 | 19 | 0.70 | 5 |
| 180 | 18 | K, M | 35 | 1 | 18 | 0.70 | 5 |
| 220 | 22 | K, M | 35 | 1 | 16 | 0.90 | 5 |
| 270 | 27 | K, M | 35 | 1 | 14 | 0.90 | 5 |
| 330 | 33 | K, M | 35 | 0.4 | 13 | 1.05 | 5 |

Specifications subject to change without notice. Rev. 10/00