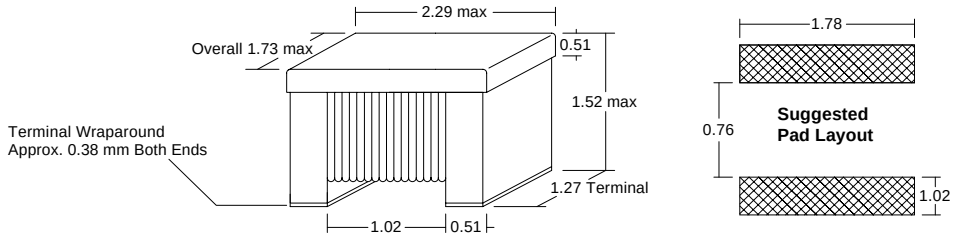
Wound Chip Inductor **(LSW-0805 Series)**

CALIBER ELECTRONICS INC.
specifications subject to change * revision 3-2003

## Dimensions




(Not to scale)

Dimensions in mm

## Part Numbering Guide

**LSW - 0805 - 3N3 M - T**

**Dimensions** (Length, Width)

**Inductance Code**

**Packaging Style**
B=Bulk
T=Tape & Reel (2500 pcs / reel)

**Tolerance**
F=1%, G=2%, J=5%, K=10%, M=20%

## Features

| | |
|---|---|
| **Inductance Range** | 2.8 nH to 820 nH |
| **Tolerance** | 1%, 2%, 5%, 10%, 20% |
| **Construction** | Ceramic body with wire wound construction |

## Electrical Specifications

| L Code | L (nH) | L Test Freq (MHz) | Q Min | Q Test Freq (MHz) | SRF Min (MHz) | RDC Max (Ohms) | IDC Max (mA) |
|---|---|---|---|---|---|---|---|
| 2N8 | 2.8 | 250 | 70 | 1500 | 7900 | 0.06 | 800 |
| 3N0 | 3.0 | 250 | 65 | 1500 | 7900 | 0.06 | 800 |
| 3N3 | 3.3 | 250 | 50 | 1500 | 7900 | 0.08 | 600 |
| 5N6 | 5.6 | 250 | 65 | 1000 | 5500 | 0.08 | 600 |
| 6N8 | 6.8 | 250 | 50 | 1000 | 5500 | 0.11 | 600 |
| 7N5 | 7.5 | 250 | 50 | 1000 | 4500 | 0.14 | 600 |
| 8N2 | 8.2 | 250 | 50 | 1000 | 4700 | 0.12 | 600 |
| 10N | 10 | 250 | 60 | 500 | 4200 | 0.10 | 600 |
| 12N | 12 | 250 | 50 | 500 | 4000 | 0.15 | 600 |
| 15N | 15 | 250 | 50 | 500 | 3400 | 0.17 | 600 |
| 18N | 18 | 250 | 50 | 500 | 3300 | 0.20 | 600 |
| 22N | 22 | 250 | 55 | 500 | 2600 | 0.22 | 500 |
| 24N | 24 | 250 | 50 | 500 | 2000 | 0.22 | 500 |
| 27N | 27 | 250 | 55 | 500 | 2500 | 0.25 | 500 |
| 33N | 33 | 250 | 60 | 500 | 2050 | 0.27 | 500 |
| 36N | 36 | 250 | 55 | 500 | 1700 | 0.27 | 500 |
| 39N | 39 | 250 | 60 | 500 | 2000 | 0.29 | 500 |
| 43N | 43 | 200 | 60 | 500 | 1650 | 0.34 | 500 |
| 47N | 47 | 200 | 60 | 500 | 1650 | 0.31 | 500 |
| 56N | 56 | 200 | 60 | 500 | 1550 | 0.34 | 500 |
| 68N | 68 | 200 | 60 | 500 | 1450 | 0.38 | 500 |
| 82N | 82 | 150 | 65 | 500 | 1300 | 0.42 | 400 |
| 91N | 91 | 150 | 65 | 500 | 1200 | 0.48 | 400 |
| R10 | 100 | 150 | 65 | 500 | 1200 | 0.46 | 400 |
| R11 | 110 | 150 | 50 | 250 | 1000 | 0.48 | 400 |
| R12 | 120 | 150 | 50 | 250 | 1100 | 0.51 | 400 |
| R15 | 150 | 100 | 50 | 250 | 920 | 0.56 | 400 |
| R18 | 180 | 100 | 50 | 250 | 870 | 0.64 | 400 |
| R22 | 220 | 100 | 50 | 250 | 850 | 0.70 | 400 |
| R24 | 240 | 100 | 44 | 250 | 690 | 1.00 | 350 |
| R27 | 270 | 100 | 48 | 250 | 650 | 1.00 | 350 |
| R33 | 330 | 100 | 48 | 250 | 600 | 1.40 | 310 |
| R39 | 390 | 100 | 48 | 250 | 560 | 1.50 | 290 |
| R47 | 470 | 50 | 33 | 100 | 375 | 1.76 | 250 |
| R56 | 560 | 25 | 23 | 50 | 340 | 1.90 | 230 |
| R68 | 680 | 25 | 23 | 50 | 188 | 2.20 | 190 |
| R82 | 820 | 25 | 23 | 50 | 215 | 2.35 | 180 |

Specifications subject to change without notice. Rev. 03/01

**TEL** *949-366-8700* **FAX** *949-366-8707* **WEB** *www.caliberelectronics.com*