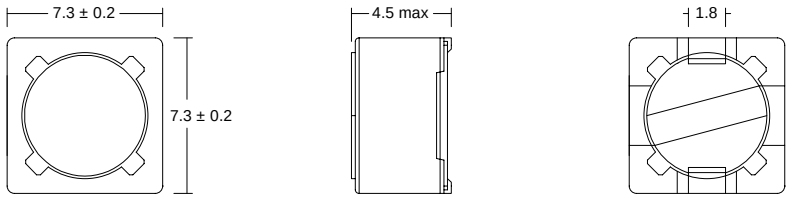
SMD Power Inductor **(PSCDS-74 Series)**

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

## Dimensions




(Not to scale)

Dimensions in mm

## Part Numbering Guide

**PSCDS - 74 - 100 M - T**

**Dimensions** (Length, Height)

**Inductance Code**

**Tolerance**
M=20%

**Packaging Style**
B=Bulk
T=Tape & Reel

## Features

| | |
|---|---|
| **Inductance Range** | 10 µH to 1000 µH |
| **Tolerance** | 20% |
| **Construction** | Magnetically Shielded, Direct Connected Ferrite Electrode |

## Electrical Specifications

| Inductance Code | Inductance (µH) | Test Freq | DCR Max (Ohms) | IDC Typ* (A) |
|---|---|---|---|---|
| 100 | 10 | 1 kHz, 1 V | 49m | 1.84 |
| 120 | 12 | 1 kHz, 1 V | 58m | 1.71 |
| 150 | 15 | 1 kHz, 1 V | 81m | 1.47 |
| 180 | 18 | 1 kHz, 1 V | 91m | 1.31 |
| 220 | 22 | 1 kHz, 1 V | 0.11 | 1.23 |
| 270 | 27 | 1 kHz, 1 V | 0.15 | 1.12 |
| 330 | 33 | 1 kHz, 1 V | 0.17 | 0.96 |
| 390 | 39 | 1 kHz, 1 V | 0.23 | 0.91 |
| 470 | 47 | 1 kHz, 1 V | 0.26 | 0.88 |
| 560 | 56 | 1 kHz, 1 V | 0.35 | 0.75 |
| 680 | 68 | 1 kHz, 1 V | 0.38 | 0.69 |
| 820 | 82 | 1 kHz, 1 V | 0.43 | 0.61 |
| 101 | 100 | 1 kHz, 1 V | 0.61 | 0.60 |
| 121 | 120 | 1 kHz, 1 V | 0.66 | 0.52 |
| 151 | 150 | 1 kHz, 1 V | 0.88 | 0.46 |
| 181 | 180 | 1 kHz, 1 V | 0.98 | 0.42 |
| 221 | 220 | 1 kHz, 1 V | 1.17 | 0.36 |
| 271 | 270 | 1 kHz, 1 V | 1.64 | 0.34 |
| 331 | 330 | 1 kHz, 1 V | 1.86 | 0.32 |
| 391 | 390 | 1 kHz, 1 V | 2.85 | 0.29 |
| 471 | 470 | 1 kHz, 1 V | 3.01 | 0.26 |
| 561 | 560 | 1 kHz, 1 V | 3.62 | 0.23 |
| 681 | 680 | 1 kHz, 1 V | 4.63 | 0.22 |
| 821 | 820 | 1 kHz, 1 V | 5.20 | 0.20 |
| 102 | 1000 | 1 kHz, 1 V | 6.00 | 0.18 |

*Inductance drop = 10% typical at rated IDC



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