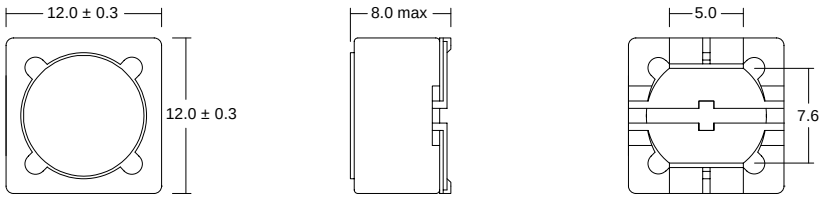
SMD Power Inductor **(PSCDS-127 Series)**

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

Dimensions



(Not to scale)

Dimensions in mm

Part Numbering Guide

PSCDS - 127 - 1R2 M - T

Dimensions (Length, Height) — 127

Inductance Code — 1R2

Tolerance — M
M=20%

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

Features

Inductance Range	1.2 µH to 47 µH
Tolerance	20%
Construction	Magnetically Shielded, Direct Connected Ferrite Electrode

Electrical Specifications

Inductance Code	Inductance (µH)	Test Freq	DCR Max (Ohms)	IDC Typ* (A)
1R2	1.2	1 kHz, 1 V	7.0m	9.80
2R4	2.4	1 kHz, 1 V	11.5m	8.00
3R5	3.5	1 kHz, 1 V	13.5m	7.50
4R7	4.7	1 kHz, 1 V	15.8m	6.80
6R1	6.1	1 kHz, 1 V	17.6m	6.60
7R6	7.6	1 kHz, 1 V	20.0m	5.90
100	10	1 kHz, 1 V	21.6m	5.40
120	12	1 kHz, 1 V	24.3m	4.90
150	15	1 kHz, 1 V	27.0m	4.50
180	18	1 kHz, 1 V	39.2m	3.90
220	22	1 kHz, 1 V	43.2m	3.60
270	27	1 kHz, 1 V	45.9m	3.40
330	33	1 kHz, 1 V	64.8m	3.00
390	39	1 kHz, 1 V	72.9m	2.75
470	47	1 kHz, 1 V	0.10	2.50

*Inductance drop = 10% typical at rated IDC

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

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

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