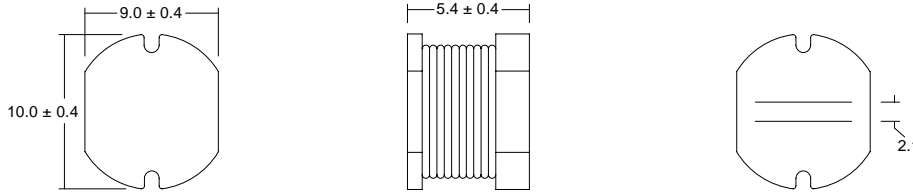


# SMD Power Inductor (PSCD-1005 Series)

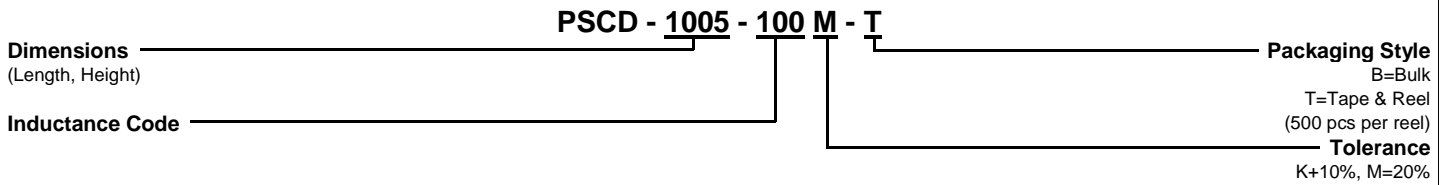
## Dimensions



(Not to scale)

Dimensions in mm

## Part Numbering Guide



## Features

Inductance Range	10 $\mu$ H to 820 $\mu$ H
Tolerance	10%, 20% (see below for tolerance availability)
Construction	Magnetically Shielded

## Electrical Specifications

Inductance Code	Inductance ( $\mu$ H)	Available Tolerance	Test Freq	DCR Max (Ohms)	Permissible DC Current
100	10	M	2.52 MHz	0.06	2.60
120	12	M	2.52 MHz	0.07	2.45
150	15	M	2.52 MHz	0.08	2.27
180	18	M	2.52 MHz	0.09	2.15
220	22	M	2.52 MHz	0.10	1.95
270	27	M	2.52 MHz	0.11	1.76
330	33	M	2.52 MHz	0.12	1.50
390	39	M	2.52 MHz	0.14	1.37
470	47	K, M	2.52 MHz	0.17	1.28
560	56	K, M	2.52 MHz	0.19	1.17
680	68	K, M	2.52 MHz	0.22	1.11
820	82	K, M	2.52 MHz	0.25	1.00
101	100	K, M	1 kHz	0.35	0.97
121	120	K, M	1 kHz	0.40	0.89
151	150	K, M	1 kHz	0.47	0.78
181	180	K, M	1 kHz	0.63	0.72
221	220	K, M	1 kHz	0.73	0.66
271	270	K, M	1 kHz	0.97	0.57
331	330	K, M	1 kHz	1.15	0.52
391	390	K, M	1 kHz	1.30	0.48
471	470	K, M	1 kHz	1.48	0.42
561	560	K, M	1 kHz	1.90	0.33
681	680	K, M	1 kHz	2.25	0.28
821	820	K, M	1 kHz	2.55	0.24

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