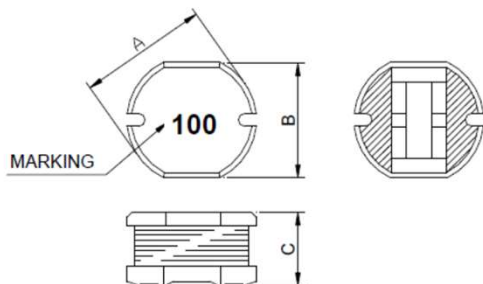


1. Features

- 1.Excellent solderability and high heat resistance.
- 2.Excellent terminal strength construction.
- 3.Packed in embossed carrier tape and can be used by automatic mounting machine.
- 4.100% Lead(Pb) & Halogen-Free and RoHS compliant.

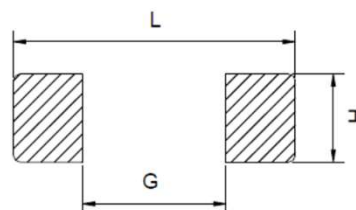


2. Dimension



Size	A(mm)	B(mm)	C(mm)
FPI 0705	7.80±0.3	7.00±0.3	5.00±0.3

Recommended Land pattern



L(mm)	G(mm)	H(mm)
8.0	2.0	7.5

3. Part Numbering

FPI
0705
BM
-
100
M

A
B
C
D
E

A: Series

B: Dimension

C: Lead free type

D: Inductance

E: Inductance Tolerance

Black marking

100=10uH

K=±10%, M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0705BM-3R3M	3.30	± 20%	1V/7.96M	0.03	4.60
FPI 0705BM-4R7M	4.70	± 20%	1V/7.96M	0.04	4.20
FPI 0705BM-100M	10.0	± 20%	1V/2.52M	0.07	2.30
FPI 0705BM-120M	12.0	± 20%	1V/2.52M	0.08	2.00
FPI 0705BM-150M	15.0	± 20%	1V/2.52M	0.09	1.80
FPI 0705BM-180M	18.0	± 20%	1V/2.52M	0.10	1.60
FPI 0705BM-220M	22.0	± 20%	1V/2.52M	0.11	1.50
FPI 0705BM-270M	27.0	± 20%	1V/2.52M	0.12	1.30
FPI 0705BM-330M	33.0	± 20%	1V/2.52M	0.13	1.20
FPI 0705BM-390M	39.0	± 20%	1V/2.52M	0.16	1.10
FPI 0705BM-470K	47.0	± 10%	1V/2.52M	0.18	1.10
FPI 0705BM-560K	56.0	± 10%	1V/2.52M	0.24	0.94
FPI 0705BM-680K	68.0	± 10%	1V/2.52M	0.28	0.85
FPI 0705BM-820K	82.0	± 10%	1V/2.52M	0.37	0.78
FPI 0705BM-101K	100	± 10%	1V/1K	0.43	0.72
FPI 0705BM-121K	120	± 10%	1V/1K	0.47	0.66
FPI 0705BM-151K	150	± 10%	1V/1K	0.64	0.58
FPI 0705BM-181K	180	± 10%	1V/1K	0.71	0.51
FPI 0705BM-221K	220	± 10%	1V/1K	0.96	0.49
FPI 0705BM-271K	270	± 10%	1V/1K	1.11	0.42
FPI 0705BM-331K	330	± 10%	1V/1K	1.26	0.40
FPI 0705BM-391K	390	± 10%	1V/1K	1.77	0.36
FPI 0705BM-471K	470	± 10%	1V/1K	1.96	0.34

Note:

Based on inductance change ($\Delta L/L0$: $\leq -35\%$) @ ambient temp. 25℃

Based on temperature rise (ΔT : 40℃ typ.)

SINKA JAPAN CO.,LTD