

SMD Type Power Inductor

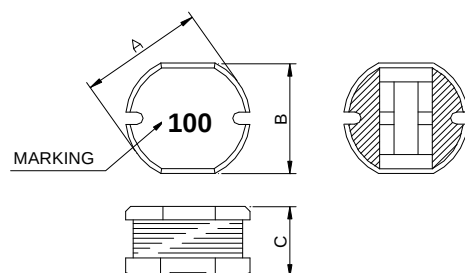
FPI0703BM-SERIES

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.

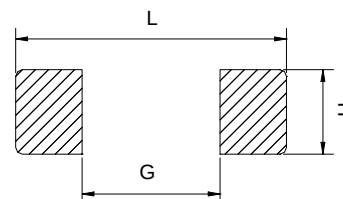


2. Dimension



Size	A(mm)	B(mm)	C(mm)
FPI 0703	7.80±0.3	7.00±0.3	3.50±0.3

Recommended Land pattern



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

3. Part Numbering

FPI	0703	BM	-	100	M
A	B	C		D	E

A: Series

B: Dimension

C: Lead free type

Black marking

D: Inductance

100=10uH

E: Inductance Tolerance

K=±10%, M=±20%

4. Specification

TAI-TECH Part Number	Inductance (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0703BM-100M	10	$\pm 20\%$	1V/2.52M	0.0803	1.44
FPI 0703BM-120M	12	$\pm 20\%$	1V/2.52M	0.0897	1.39
FPI 0703BM-150M	15	$\pm 20\%$	1V/2.52M	0.1040	1.24
FPI 0703BM-180M	18	$\pm 20\%$	1V/2.52M	0.1110	1.12
FPI 0703BM-220M	22	$\pm 20\%$	1V/2.52M	0.1290	1.07
FPI 0703BM-270M	27	$\pm 20\%$	1V/2.52M	0.1530	0.97
FPI 0703BM-330M	33	$\pm 20\%$	1V/2.52M	0.1700	0.85
FPI 0703BM-390M	39	$\pm 20\%$	1V/2.52M	0.2170	0.74
FPI 0703BM-470M	47	$\pm 20\%$	1V/2.52M	0.2520	0.68
FPI 0703BM-560K	56	$\pm 10\%$	1V/2.52M	0.2820	0.64
FPI 0703BM-680K	68	$\pm 10\%$	1V/2.52M	0.3320	0.59
FPI 0703BM-820K	82	$\pm 10\%$	1V/2.52M	0.4060	0.54
FPI 0703BM-101K	100	$\pm 10\%$	1V/1K	0.4810	0.51
FPI 0703BM-121K	120	$\pm 10\%$	1V/1K	0.5360	0.49
FPI 0703BM-151K	150	$\pm 10\%$	1V/1K	0.7550	0.40
FPI 0703BM-181K	180	$\pm 10\%$	1V/1K	1.0220	0.36
FPI 0703BM-221K	220	$\pm 10\%$	1V/1K	1.2000	0.31
FPI 0703BM-271K	270	$\pm 10\%$	1V/1K	1.3060	0.29
FPI 0703BM-331K	330	$\pm 10\%$	1V/1K	1.4950	0.28

Note:

Based on inductance change ($\Delta L/L_0$: $\leq -35\%$) @ ambient temp. 25°C

Based on temperature rise (ΔT : 40°C typ.)