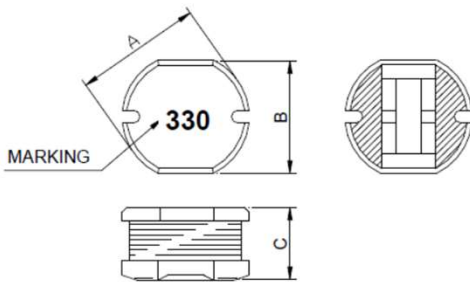


1. Features

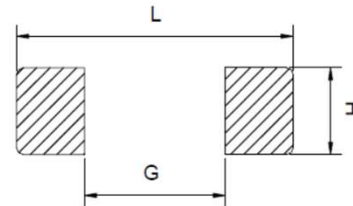
1. Excellent solderability and high heat resistance.
2. Excellent terminal strength construction.
3. Packed in embossed carrier tape and can be used by automatic mounting machine.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



2. Dimension



Recommended Land pattern



Size	A(mm)	B(mm)	C(mm)
FPI 0503BM	5.80±0.3	5.20±0.3	3.00±0.3

L(mm)	G(mm)	H(mm)
6.0	1.7	5.5

Unit: mm

3. Part Numbering

FPI **0503** **BM** - **330** **M**

A B C D E

A: Series

B: Dimension

C: Lead free type

Black marking

D: Inductance

330=33.0uH

E: Inductance Tolerance

M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)		DCR (mΩ) max.	Isat (A) max.	Irms (A) max.
	Tolerance	Test Frequency (Hz)			
FPI0503BM-1R5M	1.50±20%	1V/100K	37	4.10	4.10
FPI0503BM-1R8M	1.80±20%	1V/7.96M	50	4.00	2.80
FPI0503BM-4R7M	4.70±20%	1V/7.96M	130	1.30	1.30
FPI0503BM-6R8M	6.80±20%	1V/7.96M	71.2	1.87	1.87
FPI0503BM-8R2M	8.20±20%	1V/7.96M	100	2.00	2.00
FPI0503BM-100M	10.0±20%	1V/2.52M	200	1.90	1.90
FPI0503BM-330M	33.0±20%	1V/2.52M	450	1.40	1.40

Note:

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

Based on temperature rise ($\Delta T : 40^\circ\text{C typ.}$)