

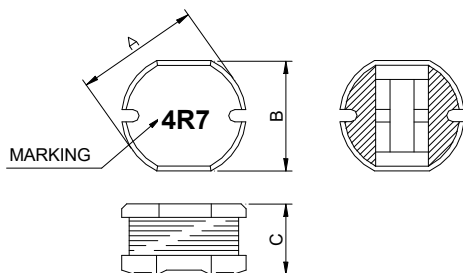
SMD Type Power Inductor **FPI0403BM-SERIES**

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.
5. Operating temperature : -40~+125°C (Including self - temperature rise).

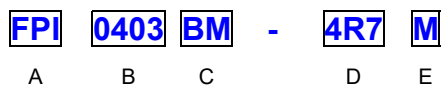


2. Dimension



Size	A(mm)	B(mm)	C(mm)
FPI0403	4.50±0.3	4.00±0.3	3.20±0.3

3. Part Numbering



- A: Series
- B: Dimension
- C: Lead free type Black marking
- D: Inductance 4R7=4.7uH
- E: Inductance Tolerance M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A)
FPI0403BM-R47M	0.47	$\pm 20\%$	1V/7.96M	0.01	9.0
FPI0403BM-R68M	0.68	$\pm 20\%$	1V/7.96M	0.014	6.0
FPI0403BM-1R0M	1.00	$\pm 20\%$	1V/7.96M	0.03	4.00
FPI0403BM-1R4M	1.40	$\pm 20\%$	1V/7.96M	0.04	3.50
FPI0403BM-1R8M	1.80	$\pm 20\%$	1V/7.96M	0.05	3.00
FPI0403BM-2R2M	2.20	$\pm 20\%$	1V/7.96M	0.06	2.60
FPI0403BM-2R7M	2.70	$\pm 20\%$	1V/7.96M	0.06	2.20
FPI0403BM-3R3M	3.30	$\pm 20\%$	1V/7.96M	0.07	2.00
FPI0403BM-3R9M	3.90	$\pm 20\%$	1V/7.96M	0.07	2.00
FPI0403BM-4R7M	4.70	$\pm 20\%$	1V/7.96M	0.08	1.90
FPI0403BM-5R6M	5.60	$\pm 20\%$	1V/7.96M	0.12	1.80
FPI0403BM-6R8M	6.80	$\pm 20\%$	1V/7.96M	0.14	1.60
FPI0403BM-8R2M	8.20	$\pm 20\%$	1V/7.96M	0.15	1.40
FPI0403BM-100M	10.0	$\pm 20\%$	1V/2.52M	0.19	1.10
FPI0403BM-120M	12.0	$\pm 20\%$	1V/2.52M	0.21	1.10
FPI0403BM-150M	15.0	$\pm 20\%$	1V/2.52M	0.25	1.00
FPI0403BM-180M	18.0	$\pm 20\%$	1V/2.52M	0.30	1.00
FPI0403BM-220M	22.0	$\pm 20\%$	1V/2.52M	0.35	1.00
FPI0403BM-270M	27.0	$\pm 20\%$	1V/2.52M	0.45	0.75
FPI0403BM-330M	33.0	$\pm 20\%$	1V/2.52M	0.60	0.70
FPI0403BM-390M	39.0	$\pm 20\%$	1V/2.52M	0.70	0.65
FPI0403BM-470M	47.0	$\pm 20\%$	1V/2.52M	0.80	0.60
FPI0403BM-560M	56.0	$\pm 20\%$	1V/2.52M	0.85	0.55
FPI0403BM-680M	68.0	$\pm 20\%$	1V/2.52M	1.00	0.50
FPI0403BM-820M	82.0	$\pm 20\%$	1V/2.52M	1.10	0.46
FPI0403BM-101M	100	$\pm 20\%$	1V/1K	1.20	0.22
FPI0403BM-121M	120	$\pm 20\%$	1V/1K	1.60	0.20
FPI0403BM-151M	150	$\pm 20\%$	1V/1K	2.00	0.20
FPI0403BM-181M	180	$\pm 20\%$	1V/1K	3.00	0.20
FPI0403BM-221M	220	$\pm 20\%$	1V/1K	3.00	0.20
FPI0403BM-271M	270	$\pm 20\%$	1V/1K	4.00	0.16
FPI0403BM-331M	330	$\pm 20\%$	1V/1K	4.00	0.14
FPI0403BM-391M	390	$\pm 20\%$	1V/1K	5.00	0.12
FPI0403BM-471M	470	$\pm 20\%$	1V/1K	6.00	0.12
FPI0403BM-561M	560	$\pm 20\%$	1V/1K	7.00	0.10

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately Δt of 40°C.
- 2.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 3.Rated DC Current : The less value whith is Irms or Isat.