

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

FEATURES

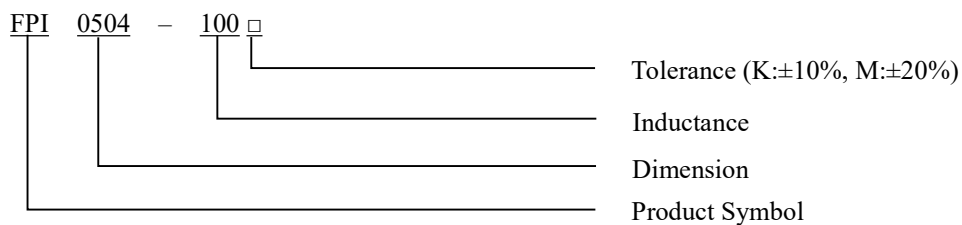
- ◆ Silver Plated Type
- ◆ High power and high saturation
- ◆ Ideal inductors for DC/DC conversion



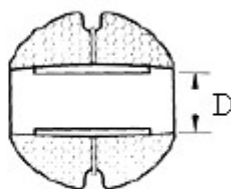
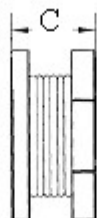
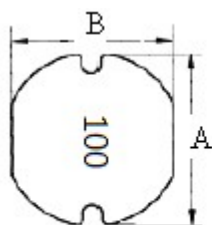
APPLICATIONS

- ◆ Smart home devices.
- ◆ DC/DC converter devices.
- ◆ Various categories of consumer electronics.

ORDERING CODE



DIMENSIONS (UNIT: mm)



A	5.8 ± 0.3	m/m
B	5.2 ± 0.3	m/m
C	4.5 ± 0.3	m/m
D	1.3 (REF)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR FPI0504

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0504-1R0 □	1.0	0.020	7.70
FPI0504-1R5 □	1.5	0.025	6.00
FPI0504-2R2 □	2.2	0.035	5.20
FPI0504-2R7 □	2.7	0.045	5.00
FPI0504-3R3 □	3.3	0.050	4.20
FPI0504-3R9 □	3.9	0.055	4.00
FPI0504-4R7 □	4.7	0.060	3.00
FPI0504-5R6 □	5.6	0.065	2.90
FPI0504-6R8 □	6.8	0.068	2.70
FPI0504-8R2 □	8.2	0.070	2.50
FPI0504-100 □	10	0.100	2.30
FPI0504-120 □	12	0.120	2.20
FPI0504-150 □	15	0.140	2.10
FPI0504-180 □	18	0.150	2.00
FPI0504-220 □	22	0.180	1.50
FPI0504-270 □	27	0.200	1.40
FPI0504-330 □	33	0.230	1.20
FPI0504-390 □	39	0.300	1.10
FPI0504-470 □	47	0.310	1.00
FPI0504-560 □	56	0.420	0.85
FPI0504-680 □	68	0.460	0.80
FPI0504-820 □	82	0.600	0.77
FPI0504-101 □	100	0.700	0.70
FPI0504-121 □	120	0.930	0.65
FPI0504-151 □	150	1.100	0.58
FPI0504-181 □	180	1.350	0.55
FPI0504-221 □	220	1.570	0.50
FPI0504-271 □	270	1.850	0.47
FPI0504-331 □	330	2.000	0.45
FPI0504-391 □	390	2.200	0.42
FPI0504-471 □	470	3.000	0.40
FPI0504-561 □	560	3.000	0.35
FPI0504-681 □	680	4.000	0.33
FPI0504-821 □	820	4.400	0.30
FPI0504-102 □	1000	5.000	0.28

* 100uH 以上 Test Frequency : 1KHZ/1V

* 100uH 以下 Test Frequency : 2.52MHZ/1V



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