

SHIELDED SMD POWER INDUCTORS / FPI(S) TYPE

FEATURES

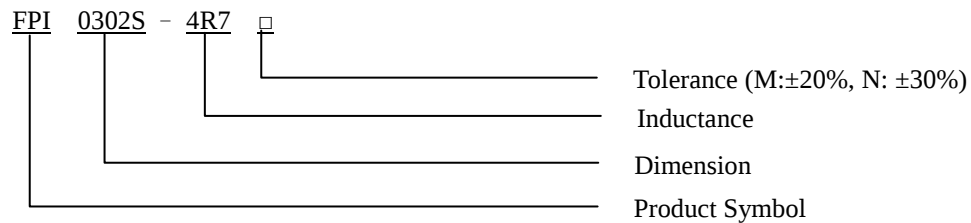
- ◆ Excellent solderability and high Heat resistance
- ◆ Excellent terminal strength construction
- ◆ Shielded with magnetic resin
- ◆ Closed magnetic design

APPLICATIONS

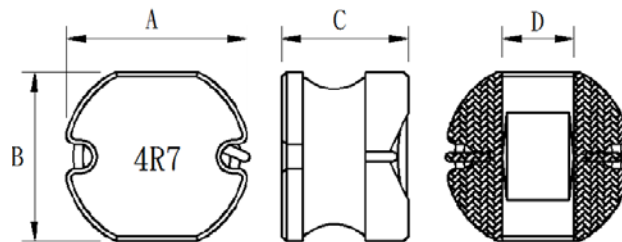
- ◆ AP Routers
- ◆ STBs
- ◆ LCD TVs
- ◆ Monitors and panels
- ◆ Game consoles
- ◆ DC/DC converters
- ◆ DC/AC inverters etc.



ORDERING CODE



SHAPES



SHIELDED SMD POWER INDUCTORS / FPI(S) TYPE

DIMENSIONS (UNIT: mm)

Part No.	A	B	C	D (Ref.)
FPI 0302S	3.5 ± 0.3	3.0 ± 0.3	2.1 ± 0.3	1.00
FPI 0402S	4.5 ± 0.3	4.0 ± 0.3	2.1 ± 0.3	1.20
FPI 0403S	4.5 ± 0.3	4.0 ± 0.3	3.2 ± 0.3	1.20
FPI 0502S	5.8 ± 0.3	5.2 ± 0.3	2.1 ± 0.3	1.30
FPI 0503S	5.8 ± 0.3	5.2 ± 0.3	3.0 ± 0.3	1.30
FPI 0504S	5.8 ± 0.3	5.2 ± 0.3	4.5 ± 0.3	1.30
FPI 0703S	7.8 ± 0.3	7.0 ± 0.3	3.5 ± 0.3	2.10
FPI 0705S	7.8 ± 0.3	7.0 ± 0.3	5.0 ± 0.3	2.10
FPI 1004S	10.0 ± 0.3	9.0 ± 0.3	4.0 ± 0.4	2.90
FPI 1005S	10.0 ± 0.3	9.0 ± 0.3	5.4 ± 0.4	2.90

ELECTRICAL CHARACTERISTICS FOR FPI0302S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0302S-R30 □	0.30	0.018	5.70
FPI0302S-R47 □	0.47	0.023	4.70
FPI0302S-R72 □	0.72	0.027	4.00
FPI0302S-1R2 □	1.20	0.042	3.00
FPI0302S-2R2 □	2.20	0.066	2.40
FPI0302S-3R3 □	3.30	0.101	1.80
FPI0302S-4R7 □	4.70	0.120	1.70
FPI0302S-6R8 □	6.80	0.165	1.30
FPI0302S-100 □	10.0	0.190	1.10
FPI0302S-150 □	15.0	0.400	0.90
FPI0302S-220 □	22.0	0.575	0.75
FPI0302S-270 □	27.0	0.796	0.67
FPI0302S-330 □	33.0	0.960	0.62

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ELECTRICAL CHARACTERISTICS FOR FPI0402S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0402S-1R0 □	1.00	0.020	5.40
FPI0402S-1R5 □	1.50	0.025	4.57
FPI0402S-2R2 □	2.20	0.036	3.50
FPI0402S-3R3 □	3.30	0.051	2.80
FPI0402S-4R7 □	4.70	0.063	2.60
FPI0402S-6R8 □	6.80	0.108	2.05
FPI0402S-100 □	10.0	0.140	1.70
FPI0402S-150 □	15.0	0.230	1.35
FPI0402S-220 □	22.0	0.360	1.17
FPI0402S-330 □	33.0	0.530	0.94
FPI0402S-470 □	47.0	0.760	0.79
FPI0402S-680 □	68.0	0.860	0.65
FPI0402S-101 □	100.0	1.310	0.54

ELECTRICAL CHARACTERISTICS FOR FPI0403S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0403S-1R0 □	1.00	0.014	6.00
FPI0403S-1R5 □	1.50	0.020	4.84
FPI0403S-2R2 □	2.20	0.030	4.40
FPI0403S-3R3 □	3.30	0.040	3.30
FPI0403S-4R7 □	4.70	0.060	2.90
FPI0403S-5R6 □	5.60	0.065	2.60
FPI0403S-6R8 □	6.80	0.090	2.45
FPI0403S-100 □	10.0	0.100	1.95
FPI0403S-150 □	15.0	0.190	1.65
FPI0403S-220 □	22.0	0.220	1.30
FPI0403S-330 □	33.0	0.330	1.10
FPI0403S-470 □	47.0	0.440	0.95
FPI0403S-680 □	68.0	0.870	0.72
FPI0403S-101 □	100.0	1.150	0.60

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ELECTRICAL CHARACTERISTICS FOR FPI0502S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0502S-1R0 □	1.00	0.020	4.10
FPI0502S-1R5 □	1.50	0.026	3.80
FPI0502S-2R2 □	2.20	0.032	3.20
FPI0502S-3R3 □	3.30	0.043	2.55
FPI0502S-4R7 □	4.70	0.057	2.50
FPI0502S-6R8 □	6.80	0.083	2.05
FPI0502S-100 □	10.0	0.110	1.70
FPI0502S-150 □	15.0	0.170	1.35
FPI0502S-220 □	22.0	0.230	1.15

ELECTRICAL CHARACTERISTICS FOR FPI0503S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0503S-1R0 □	1.00	0.015	6.60
FPI0503S-1R5 □	1.50	0.020	5.00
FPI0503S-2R2 □	2.20	0.023	4.20
FPI0503S-3R3 □	3.30	0.030	3.60
FPI0503S-4R7 □	4.70	0.035	3.10
FPI0503S-6R8 □	6.80	0.052	2.50
FPI0503S-100 □	10.0	0.070	2.10
FPI0503S-150 □	15.0	0.125	1.60
FPI0503S-220 □	22.0	0.180	1.40
FPI0503S-330 □	33.0	0.225	1.19
FPI0503S-470 □	47.0	0.325	0.95

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ELECTRICAL CHARACTERISTICS FOR FPI0504S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0504S-1R0 □	1.00	0.014	8.5
FPI0504S-1R3 □	1.30	0.017	8.0
FPI0504S-1R5 □	1.50	0.018	7.6
FPI0504S-1R8 □	1.80	0.020	7.0
FPI0504S-2R2 □	2.20	0.025	6.0
FPI0504S-3R3 □	3.30	0.030	5.0
FPI0504S-4R7 □	4.70	0.038	4.0
FPI0504S-6R8 □	6.80	0.047	3.8
FPI0504S-8R2 □	8.20	0.060	3.3
FPI0504S-100 □	10.0	0.060	3.0
FPI0504S-150 □	15.0	0.100	2.3
FPI0504S-220 □	22.0	0.140	1.9
FPI0504S-330 □	33.0	0.190	1.5
FPI0504S-470 □	47.0	0.260	1.3
FPI0504S-680 □	68.0	0.350	1.0
FPI0504S-101 □	100	0.490	0.8

ELECTRICAL CHARACTERISTICS FOR FPI0703S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0703S-R50 □	0.5	0.007	12.0
FPI0703S-1R0 □	1.0	0.010	11.0
FPI0703S-1R5 □	1.5	0.011	8.2
FPI0703S-2R2 □	2.2	0.013	7.4
FPI0703S-3R3 □	3.3	0.021	5.5
FPI0703S-4R7 □	4.7	0.024	4.7
FPI0703S-6R8 □	6.8	0.033	4.2
FPI0703S-100 □	10.0	0.050	3.4
FPI0703S-150 □	15.0	0.070	2.7
FPI0703S-220 □	22.0	0.100	2.2
FPI0703S-330 □	33.0	0.145	1.9
FPI0703S-470 □	47.0	0.190	1.5
FPI0703S-680 □	68.0	0.280	1.2
FPI0703S-101 □	100	0.400	1.0

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ELECTRICAL CHARACTERISTICS FOR FPI0705S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0705S-1R0 □	1.0	0.006	13.00
FPI0705S-1R5 □	1.5	0.007	11.00
FPI0705S-2R2 □	2.2	0.012	9.00
FPI0705S-3R3 □	3.3	0.015	7.00
FPI0705S-4R7 □	4.7	0.022	5.60
FPI0705S-6R8 □	6.8	0.027	4.70
FPI0705S-100 □	10.0	0.042	3.80
FPI0705S-150 □	15.0	0.057	3.20
FPI0705S-220 □	22.0	0.079	2.60
FPI0705S-330 □	33.0	0.104	2.20
FPI0705S-470 □	47.0	0.140	1.80
FPI0705S-680 □	68.0	0.200	1.50
FPI0705S-101 □	100	0.300	1.30
FPI0705S-151 □	150	0.480	1.00
FPI0705S-221 □	220	0.680	0.84
FPI0705S-331 □	330	1.030	0.68
FPI0705S-471 □	470	1.540	0.57

ELECTRICAL CHARACTERISTICS FOR FPI1004S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI1004S-R47 □	0.47	0.004	18.00
FPI1004S-1R0 □	1.00	0.006	14.00
FPI1004S-1R5 □	1.50	0.008	11.00
FPI1004S-2R2 □	2.20	0.011	9.00
FPI1004S-3R3 □	3.30	0.014	7.70
FPI1004S-4R7 □	4.70	0.018	6.70
FPI1004S-6R8 □	6.80	0.027	5.30
FPI1004S-100 □	10.0	0.039	4.30
FPI1004S-150 □	15.0	0.055	3.50
FPI1004S-220 □	22.0	0.077	2.90
FPI1004S-330 □	33.0	0.100	2.40
FPI1004S-470 □	47.0	0.160	2.00
FPI1004S-680 □	68.0	0.250	1.60
FPI1004S-101 □	100	0.350	1.40
FPI1004S-151 □	150	0.520	1.10
FPI1004S-221 □	220	0.710	0.94
FPI1004S-331 □	330	1.190	0.75
FPI1004S-471 □	470	1.600	0.64

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ELECTRICAL CHARACTERISTICS FOR FPI1005S

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI1005S-1R5 □	1.5	0.008	12.0
FPI1005S-2R2 □	2.2	0.010	9.2
FPI1005S-3R3 □	3.3	0.013	7.5
FPI1005S-4R7 □	4.7	0.022	7.0
FPI1005S-6R8 □	6.8	0.027	5.7
FPI1005S-100 □	10.0	0.035	4.8
FPI1005S-150 □	15.0	0.050	3.8
FPI1005S-220 □	22.0	0.073	3.0
FPI1005S-330 □	33.0	0.093	2.5
FPI1005S-470 □	47.0	0.128	2.1
FPI1005S-680 □	68.0	0.210	1.8
FPI1005S-101 □	100	0.300	1.5
FPI1005S-151 □	150	0.500	1.2
FPI1005S-221 □	220	0.750	1.0
FPI1005S-331 □	330	1.100	0.8

* Test Frequency : 100KHZ/0.25V