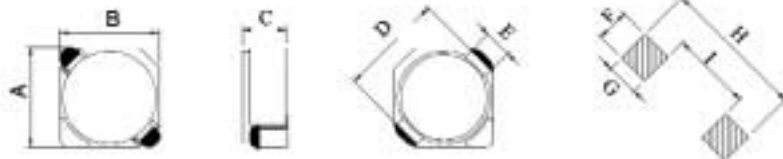


EXTERNAL DIMENSIONS

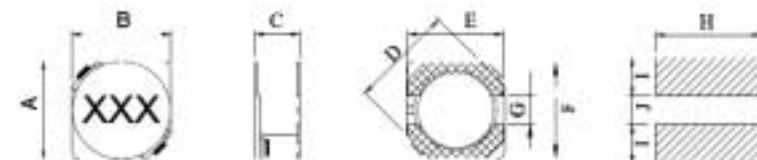


FB2D11/FB2D18/FB3D16

(Unit: mm)



FB4D18/FB4D28/FB5D18/FB5D28/FB6D28/FB6D38



FB8D28/FB8D43



Test Equipment and Conditions

- Inductance is measured with HP-4284A LCR meter or equivalent.
- Maximum allowable DC current which causes 35% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).
- Operating Temperature Range : -25°C to +85°C.

Features

- Low profile.
- Magnetically shielded with low DC resistance.
- Suitable for large currents.
- Excellent solderability and high heat resistance.
- Low cost and packed in embossed carrier tape.
- Suitable for lead free soldering.

Applications

- Ideal use in notebook, hard disk, DC/DC converters, digital camera, LCD television set, and other electronic equipment.

Solder Land Information

Type	A	B	C	D	E	F	G	H	I	J
FB2D11	3.2max.	3.2max.	1.2max.	3.3	1.0	1.3	1.3	4.3	1.7	
FB2D18	3.2max.	3.2max.	2.0max.	3.3	1.0	1.3	1.3	4.3	1.7	
FB3D16	4.0max.	4.0max.	1.9max.	4.4	1.1	1.5	1.4	5.2	2.4	
FB4D18	5.0max.	5.0max.	2.0max.	6.9max.	4.5	4.5	1.5	5.3	1.9	1.5
FB4D28	5.0max.	5.0max.	3.1max.	6.9max.	4.5	4.5	1.5	5.3	1.9	1.5
FB5D18	6.0max.	6.0max.	2.2max.	8.2max.	5.5	5.5	2.0	6.3	2.15	2.0
FB5D28	5.7max.	5.7max.	3.2max.	8.2max.	5.5	5.5	2.0	6.3	2.15	2.0
FB6D28	7.0max.	7.0max.	3.2max.	9.5max.	6.5	6.5	2.0	7.3	2.65	2.0
FB6D38	7.0max.	7.0max.	4.2max.	9.5max.	6.5	6.5	2.0	7.3	2.65	2.0
FB8D28	8.3max.	8.3max.	3.0max.	2.5	6.3	1.2		2.8	2.0	6.1
FB8D43	8.3max.	8.3max.	4.5max.	2.5	6.3	1.2		2.8	2.0	6.1

POWER INDUCTOR (SHIELDED)

POWER CHOKE - FB2D11/FB2D18/FB3D16 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
FB2D11-1R5 □	1.5	100	0.068	0.90
FB2D11-2R2 □	2.2	100	0.098	0.78
FB2D11-3R3 □	3.3	100	0.123	0.60
FB2D11-4R7 □	4.7	100	0.170	0.50
FB2D11-6R8 □	6.8	100	0.260	0.44
FB2D11-100 □	10	100	0.400	0.35
FB2D18-2R2 □	2.2	100	0.041	0.85
FB2D18-3R3 □	3.3	100	0.054	0.75
FB2D18-4R7 □	4.7	100	0.078	0.63
FB2D18-6R8 □	6.8	100	0.106	0.52
FB2D18-100 □	10	100	0.180	0.43
FB2D18-150 □	15	100	0.220	0.35
FB2D18-220 □	22	100	0.320	0.30
FB2D18-330 □	33	100	0.460	0.24
FB2D18-470 □	47	100	0.660	0.20
FB3D16-1R0 □	1.0	100	0.048	1.80
FB3D16-1R5 □	1.5	100	0.054	1.55
FB3D16-2R2 □	2.2	100	0.072	1.20
FB3D16-3R3 □	3.3	100	0.105	1.03
FB3D16-3R9 □	3.9	100	0.118	1.02
FB3D16-4R7 □	4.7	100	0.132	0.95
FB3D16-5R6 □	5.6	100	0.148	0.75
FB3D16-6R8 □	6.8	100	0.195	0.73
FB3D16-8R2 □	8.2	100	0.250	0.65
FB3D16-100 □	10	100	0.275	0.58
FB3D16-120 □	12	100	0.312	0.50
FB3D16-150 □	15	100	0.412	0.46
FB3D16-180 □	18	100	0.462	0.43
FB3D16-220 □	22	100	0.600	0.40
FB3D16-270 □	27	100	0.712	0.35
FB3D16-330 □	33	100	0.925	0.32
FB3D16-390 □	39	100	1.062	0.28
FB3D16-470 □	47	100	1.175	0.26

NOTE: □ Tolerance value: M = ±20%, N = ±30%.

POWER INDUCTOR (SHIELDED)

POWER CHOKE - FB4D18/FB4D28 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
FB4D18-1R0 □	1.0	100	0.034	1.72
FB4D18-2R2 □	2.2	100	0.045	1.32
FB4D18-2R7 □	2.7	100	0.058	1.28
FB4D18-3R3 □	3.3	100	0.070	1.04
FB4D18-3R9 □	3.9	100	0.082	0.88
FB4D18-4R7 □	4.7	100	0.093	0.84
FB4D18-5R6 □	5.6	100	0.112	0.80
FB4D18-6R8 □	6.8	100	0.140	0.76
FB4D18-8R2 □	8.2	100	0.174	0.68
FB4D18-100 □	10	100	0.200	0.61
FB4D18-120 □	12	100	0.229	0.56
FB4D18-150 □	15	100	0.261	0.50
FB4D18-180 □	18	100	0.295	0.48
FB4D18-220 □	22	100	0.397	0.41
FB4D18-270 □	27	100	0.441	0.35
FB4D18-330 □	33	100	0.525	0.32
FB4D18-390 □	39	100	0.60	0.30
FB4D18-470 □	47	100	0.72	0.28
FB4D18-560 □	56	100	0.83	0.25
FB4D18-680 □	68	100	0.97	0.23
FB4D18-820 □	82	100	1.53	0.21
FB4D18-101 □	100	100	1.68	0.20
FB4D18-121 □	120	100	2.06	0.19
FB4D18-151 □	150	100	2.58	0.17
FB4D18-181 □	180	100	2.95	0.16
FB4D18-221 □	220	100	4.17	0.15
FB4D18-271 □	270	100	4.70	0.13
FB4D18-331 □	330	100	5.37	0.12
FB4D18-391 □	390	100	8.91	0.11
FB4D28-1R0 □	1.0	100	0.0253	2.56
FB4D28-1R5 □	1.5	100	0.0318	2.38
FB4D28-1R8 □	1.8	100	0.0369	2.20
FB4D28-2R7 □	2.7	100	0.0504	1.60
FB4D28-3R3 □	3.3	100	0.0576	1.57
FB4D28-3R9 □	3.9	100	0.0664	1.44
FB4D28-4R7 □	4.7	100	0.072	1.32

NOTE: □ Tolerance value: M = ±20%, N = ±30%.

POWER INDUCTOR (SHIELDED)

POWER CHOKE - FB4D28/FB5D18 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
FB4D28-5R6 □	5.6	100	0.080	1.17
FB4D28-6R8 □	6.8	100	0.092	1.12
FB4D28-8R2 □	8.2	100	0.098	1.04
FB4D28-100 □	10	100	0.103	1.00
FB4D28-120 □	12	100	0.128	0.84
FB4D28-150 □	15	100	0.144	0.76
FB4D28-180 □	18	100	0.186	0.72
FB4D28-220 □	22	100	0.218	0.70
FB4D28-270 □	27	100	0.252	0.58
FB4D28-330 □	33	100	0.285	0.56
FB4D28-390 □	39	100	0.408	0.50
FB4D28-470 □	47	100	0.44	0.48
FB4D28-560 □	56	100	0.55	0.41
FB4D28-680 □	68	100	0.62	0.35
FB4D28-820 □	82	100	0.92	0.32
FB4D28-101 □	100	100	1.03	0.29
FB4D28-121 □	120	100	1.52	0.27
FB4D28-151 □	150	100	1.68	0.24
FB4D28-181 □	180	100	1.90	0.22
FB5D18-1R0 □	1.0	10	0.028	3.86
FB5D18-1R5 □	1.5	10	0.036	3.12
FB5D18-2R2 □	2.2	10	0.043	2.63
FB5D18-2R7 □	2.7	10	0.051	2.38
FB5D18-3R5 □	3.5	10	0.063	1.95
FB5D18-4R7 □	4.7	10	0.072	1.76
FB5D18-5R6 □	5.6	10	0.083	1.60
FB5D18-6R8 □	6.8	10	0.102	1.40
FB5D18-8R2 □	8.2	10	0.116	1.25
FB5D18-100 □	10	10	0.124	1.20
FB5D18-120 □	12	10	0.162	1.10
FB5D18-150 □	15	10	0.204	0.97
FB5D18-180 □	18	10	0.226	0.85
FB5D18-220 □	22	10	0.265	0.80
FB5D18-270 □	27	10	0.320	0.75
FB5D18-330 □	33	10	0.380	0.65
FB5D18-390 □	39	10	0.496	0.57
FB5D18-470 □	47	10	0.525	0.54
FB5D18-560 □	56	10	0.795	0.50
FB5D18-680 □	68	10	0.860	0.43
FB5D18-820 □	82	10	0.980	0.41
FB5D18-101 □	100	10	1.250	0.36

NOTE: □ Tolerance value: M = ±20%, N = ±30%.

POWER INDUCTOR (SHIELDED)

POWER CHOKE - FB5D28/FB6D28 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
FB5D28-2R5 □	2.5	10	0.018	2.60
FB5D28-3R0 □	3.0	10	0.024	2.40
FB5D28-4R2 □	4.2	10	0.031	2.20
FB5D28-5R3 □	5.3	10	0.038	1.90
FB5D28-6R2 □	6.2	10	0.045	1.80
FB5D28-8R2 □	8.2	10	0.053	1.60
FB5D28-100 □	10	10	0.065	1.30
FB5D28-120 □	12	10	0.076	1.20
FB5D28-150 □	15	10	0.103	1.10
FB5D28-180 □	18	10	0.110	1.00
FB5D28-220 □	22	10	0.112	0.90
FB5D28-270 □	27	10	0.175	0.85
FB5D28-330 □	33	10	0.189	0.75
FB5D28-390 □	39	10	0.212	0.70
FB5D28-470 □	47	10	0.250	0.62
FB5D28-560 □	56	10	0.305	0.58
FB5D28-680 □	68	10	0.355	0.52
FB5D28-820 □	82	10	0.463	0.46
FB5D28-101 □	100	10	0.520	0.42

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (mΩ) max.	Rated DC Current (A) max.
FB6D28-3R0 □	3.0	10	24	3.00
FB6D28-3R9 □	3.9	10	27	2.60
FB6D28-5R0 □	5.0	10	31	2.40
FB6D28-6R0 □	6.0	10	35	2.25
FB6D28-7R3 □	7.3	10	54	2.10
FB6D28-8R6 □	8.6	10	58	1.85
FB6D28-100 □	10	10	65	1.70
FB6D28-120 □	12	10	70	1.55
FB6D28-150 □	15	10	84	1.40
FB6D28-180 □	18	10	95	1.32
FB6D28-220 □	22	10	128	1.20
FB6D28-270 □	27	10	142	1.05
FB6D28-330 □	33	10	165	0.97
FB6D28-390 □	39	10	210	0.86
FB6D28-470 □	47	10	238	0.80
FB6D28-560 □	56	10	277	0.73
FB6D28-680 □	68	10	304	0.65
FB6D28-820 □	82	10	390	0.60
FB6D28-101 □	100	10	535	0.54

NOTE: □ Tolerance value: M = ±20%, N = ±30%.

POWER INDUCTOR (SHIELDED)

POWER CHOKE - FB6D38/FB8D28 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (mΩ) max.	Rated DC Current (A) max.
FB6D38-3R3 □	3.3	10	20	3.20
FB6D38-5R0 □	5.0	10	24	2.60
FB6D38-6R2 □	6.2	10	27	2.30
FB6D387R4 □	7.4	10	31	2.10
FB6D38-8R7 □	8.7	10	34	2.00
FB6D38-100 □	10	10	44	1.80
FB6D38-120 □	12	10	53	1.70
FB6D38-150 □	15	10	57	1.45
FB6D38-180 □	18	10	92	1.40
FB6D38-220 □	22	10	96	1.20
FB6D38-270 □	27	10	109	1.10
FB6D38-330 □	33	10	124	1.00
FB6D38-390 □	39	10	138	0.95
FB6D38-470 □	47	10	155	0.85
FB6D38-560 □	56	10	202	0.75
FB6D38-680 □	68	10	234	0.70
FB6D38-820 □	82	10	324	0.62
FB6D38-101 □	100	10	358	0.58
FB8D28-2R5 □	2.5	100	18.5	5.4
FB8D28-3R3 □	3.3	100	24.6	4.8
FB8D28-4R7 □	4.7	100	36.8	4.0
FB8D28-6R8 □	6.8	100	48.4	3.2
FB8D28-100 □	10	100	62.2	2.7
FB8D28-150 □	15	100	93.5	2.2
FB8D28-220 □	22	100	156.6	1.8
FB8D28-330 □	33	100	205.2	1.4
FB8D28-470 □	47	100	266.1	1.25
FB8D28-680 □	68	100	368.5	0.96
FB8D28-101 □	100	100	610.8	0.78

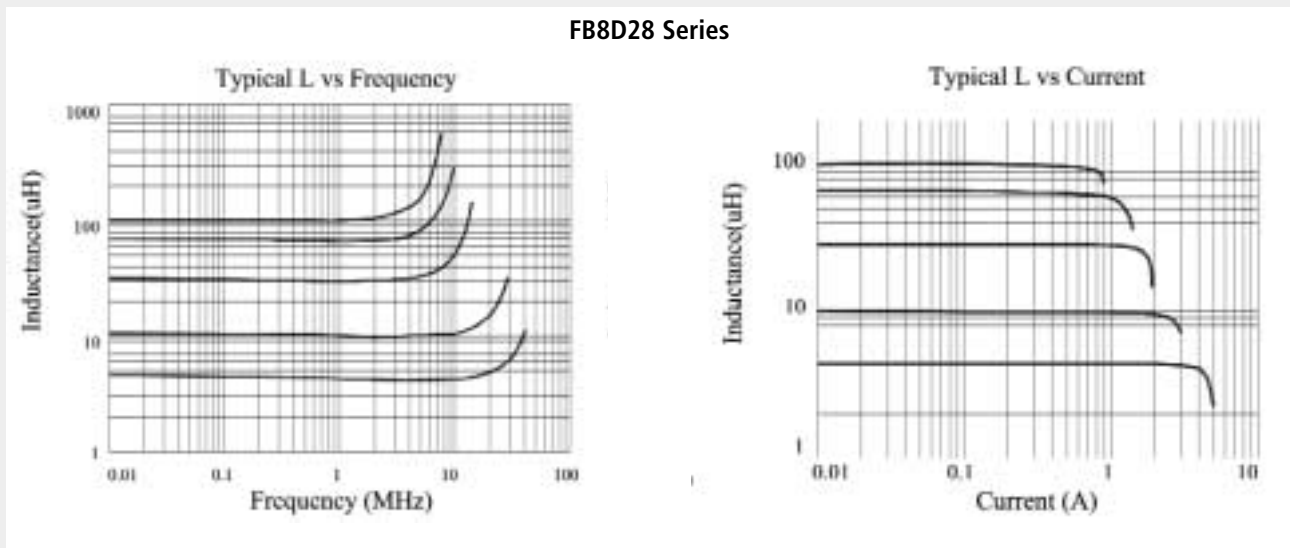
NOTE: □ Tolerance value: M = ±20%, N = ±30%.

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (mΩ) max.	Rated DC Current (A) max.
FB8D43-2R0 <input type="checkbox"/>	2.0	100	14	6.4
FB8D43-3R9 <input type="checkbox"/>	3.9	100	19	5.0
FB8D43-4R7 <input type="checkbox"/>	4.7	100	22	4.6
FB8D43-6R8 <input type="checkbox"/>	6.8	100	32	4.2
FB8D43-100 <input type="checkbox"/>	10	100	40	3.6
FB8D43-150 <input type="checkbox"/>	15	100	58	2.6
FB8D43-220 <input type="checkbox"/>	22	100	96	2.1
FB8D43-330 <input type="checkbox"/>	33	100	144	1.6
FB8D43-470 <input type="checkbox"/>	47	100	195	1.4
FB8D43-680 <input type="checkbox"/>	68	100	240	1.2
FB8D43-101 <input type="checkbox"/>	100	100	360	0.9

NOTE: Tolerance value: M = ±20%, N = ±30%

FB8D28 Series



FB8D43 Series

