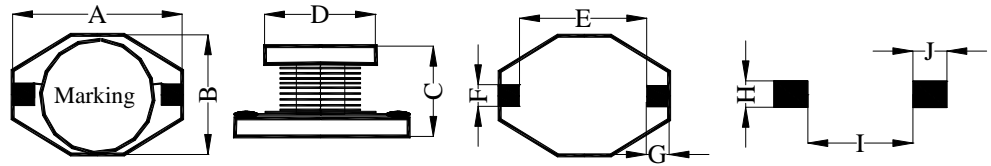




SMT POWER INDUCTOR

External Dimensions

(Unit:mm)



Series	A(Max.)	B(Max.)	C(Max.)	D(Ref.)	E(Ref.)	F(Ref.)	G(Ref.)	H	I	J
BF5220	12.95	9.50	5.21	8.38	7.62	2.54	2.54	2.79	7.37	2.92
BF5245	12.95	9.50	11.43	8.38	7.62	2.54	2.54	2.79	7.37	2.92
BF7330	18.54	15.24	7.11	12.70	12.95	2.54	2.54	2.79	12.45	2.92

Feature

1. Specially designed for automation standard interface applications;
2. Highest possible current in the smallest case size;
3. High self resonant frequency.

Application

1. VGA display card;
2. Notebook computers;
3. PDAs;
4. Step up and step down converters.

Product Identification

BF 7330 - 470 M U
 1 2 3 4 5

- | | |
|---------------------|-----------------|
| 1. Series Name Code | BF Series |
| 2. Dimensions Code | See above table |
| 3. Inductance Code | 470:47uH |
| 4. Tolerance Code | L:±15%,M:±20% |
| 5. Special Code | U:RoHS part |



SMT POWER INDUCTOR

Electrical Characteristic BF5220 Series

Series P/N	Inductance (μH)	Test Frequency (KHz)	S.R.F(Typ.) (MHz)	DC Resistance (Ω) Max.	Isat (A)	Irms (A)
BF5220-1R0MU	1.0±20%	100	90	0.009	9.0	11.5
BF5220-1R5MU	1.5±20%	100	70	0.010	8.0	9.5
BF5220-2R2MU	2.2±20%	100	61	0.012	7.0	8.3
BF5220-3R3MU	3.3±20%	100	46	0.015	6.4	7.2
BF5220-4R7MU	4.7±20%	100	40	0.018	5.4	6.3
BF5220-6R8MU	6.8±20%	100	34	0.027	4.6	5.6
BF5220-100MU	10±20%	100	26	0.038	3.8	5.0
BF5220-150MU	15±20%	100	20	0.046	3.0	3.8
BF5220-220MU	22±20%	100	16	0.085	2.3	2.9
BF5220-330MU	33±20%	100	12	0.10	2.0	2.7
BF5220-470MU	47±20%	100	10	0.14	1.6	2.2
BF5220-680MU	68±20%	100	9.0	0.20	1.4	2.0
BF5220-101LU	100±15%	100	7.2	0.28	1.2	1.7
BF5220-151LU	150±15%	100	6.0	0.40	1.0	1.3
BF5220-221LU	220±15%	100	5.0	0.61	0.80	1.1
BF5220-331LU	330±15%	100	4.0	1.02	0.60	0.9
BF5220-471LU	470±15%	100	3.5	1.27	0.50	0.75
BF5220-681LU	680±15%	100	2.7	2.02	0.40	0.60
BF5220-102LU	1000±15%	100	2.2	3.00	0.30	0.50
BF5220-152LU	1500±15%	100	1.6	4.49	0.29	0.45
BF5220-332LU	3300±15%	100	1.0	8.97	0.19	0.27

Note:

1. Test condition:100KHz,0.1Vrms;
2. Isat:This DC current indicates that inductance drops 10% (typ.) from its initial value;
3. Irms:This DC current indicates that the surface temperature rise 40°C (typ.) from 25°C ambient;
4. Test equipment: WK3260A meter for L;WK3260A and WK3265B meter for Isat & Irms;GAIN KAI TA 502BC meter for DCR,E4991A meter for SRF;
5. Operating temperature:-25°C to +85°C.



SMT POWER INDUCTOR

Electrical Characteristic BF5245 Series

Series P/N	Inductance (μ H)	Test Frequency (KHz)	S.R.F(Typ.) (MHz)	DC Resistance (Ω) Max.	Isat (A)	Irms (A)
BF5245-1R0MU	1.0 \pm 20%	100	100	0.006	18.0	11.5
BF5245-1R5MU	1.5 \pm 20%	100	65	0.008	17.0	10.8
BF5245-2R2MU	2.2 \pm 20%	100	63	0.010	15.0	10.0
BF5245-3R3MU	3.3 \pm 20%	100	45	0.011	13.0	8.6
BF5245-4R7MU	4.7 \pm 20%	100	40	0.018	11.0	6.8
BF5245-6R8MU	6.8 \pm 20%	100	25	0.022	9.0	5.9
BF5245-100MU	10 \pm 20%	100	18	0.040	8.0	5.6
BF5245-150MU	15 \pm 20%	100	15	0.050	7.0	5.4
BF5245-220MU	22 \pm 20%	100	10	0.066	5.5	4.2
BF5245-330MU	33 \pm 20%	100	9	0.080	3.8	3.2
BF5245-470MU	47 \pm 20%	100	7	0.110	3.0	2.5
BF5245-680MU	68 \pm 20%	100	5	0.17	2.5	2.2
BF5245-101LU	100 \pm 15%	100	4.5	0.22	2.5	1.95
BF5245-151LU	150 \pm 15%	100	2.5	0.34	2.0	1.50
BF5245-221LU	220 \pm 15%	100	2.3	0.44	1.6	1.35
BF5245-331LU	330 \pm 15%	100	2.2	0.70	1.2	1.00
BF5245-471LU	470 \pm 15%	100	2.0	0.95	1.0	0.8
BF5245-681LU	680 \pm 15%	100	1.8	1.2	1.0	0.7
BF5245-102LU	1000 \pm 15%	100	1.5	2.0	0.8	0.6

Note:

1. Test condition:100KHz,0.1Vrms;
2. Isat:This DC current indicates that inductance drops 10% (typ.) from its initial value;
3. Irms:This DC current indicates that the surface temperature rise 40 $^{\circ}$ C (typ.) from 25 $^{\circ}$ C ambient;
4. Test equipment: WK3260A meter for L;WK3260A and WK3265B meter for Isat & Irms;GAIN KAI TA 502BC meter for DCR,E4991A meter for SRF;
5. Operating temperature:-25 $^{\circ}$ C to +85 $^{\circ}$ C.



SMT POWER INDUCTOR

Electrical Characteristic BF7330 Series

Series P/N	Inductance (μH)	Test Frequency (KHz)	S.R.F(Typ.) (MHz)	DC Resistance (Ω) Max.	Isat (A)	Irms (A)
BF7330-1R0MU	1.0±20%	100	80	0.009	20	12.0
BF7330-2R2MU	2.2±20%	100	50	0.014	16	9.2
BF7330-3R3MU	3.3±20%	100	40	0.018	14	8.1
BF7330-5R6MU	5.6±20%	100	30	0.020	12	7.5
BF7330-8R2MU	8.2±20%	100	22	0.029	10	6.3
BF7330-100MU	10±20%	100	20	0.031	10	5.4
BF7330-150MU	15±20%	100	15	0.036	8	4.5
BF7330-220MU	22±20%	100	13	0.047	7	3.7
BF7330-330MU	33±20%	100	10	0.066	5.5	3.2
BF7330-470MU	47±20%	100	8	0.086	4.5	2.8
BF7330-680MU	68±20%	100	7	0.13	3.5	2.4
BF7330-101LU	100±15%	100	5.5	0.19	3.0	2.0
BF7330-151LU	150±15%	100	5.0	0.25	2.6	1.7
BF7330-221LU	220±15%	100	4.5	0.38	2.4	1.3
BF7330-331LU	330±15%	100	3.0	0.56	1.9	1.1
BF7330-471LU	470±15%	100	2.5	0.85	1.4	0.95
BF7330-681LU	680±15%	100	2.2	1.1	1.2	0.80
BF7330-102LU	1000±15%	100	2.0	1.8	1.0	0.68

Note:

1. Test condition:100KHz,0.1Vrms;
2. Isat:This DC current indicates that inductance drops 10% (typ.) from its initial value;
3. Irms:This DC current indicates that the surface temperature rise 40°C (typ.) from 25°C ambient;
4. Test equipment: WK3260A meter for L;WK3260A and WK3265B meter for Isat & Irms;GAIN KAI TA 502BC meter for DCR,E4991A meter for SRF;
5. Operating temperature:-25°C to +85°C.