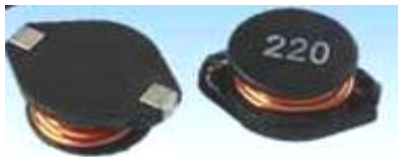


SMD Unshielded Power Inductors-HB Series



Feature

- 1. Low profile very effective in space-applications
- 2. High energy storage and very low resistance
- 3. Packed in embossed carrier tape and can be used by automatic mounting machine

Applications

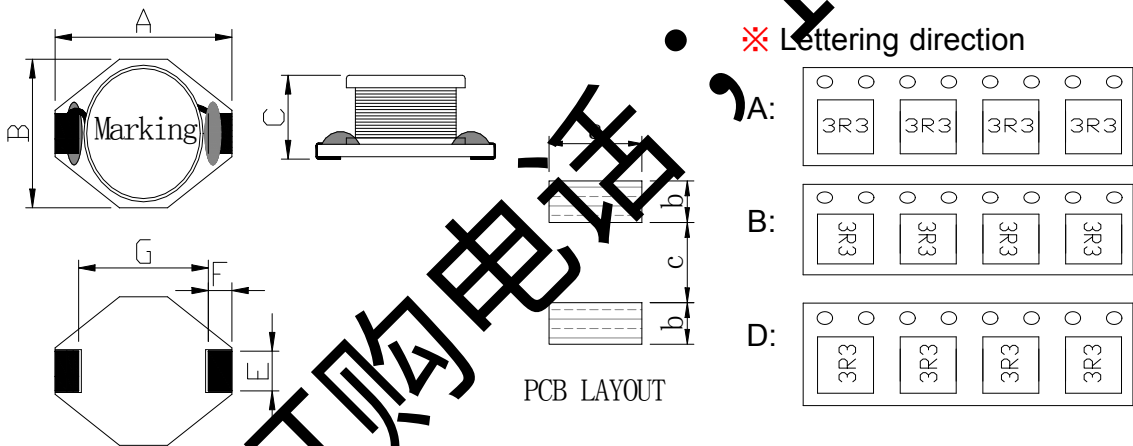
- 1. Ideally used in Power supplies for VTR,OA equipment
- 2. Digital camera,lcd television set notebook PC
- 3. Etc as DC-DC Converter

Product Identification

3316 - 150 M - B
1 2 3 4 5

- 1. Series name
- 2. Dimension
- 3. Inductance(150=15uH)
- 4. Tolerance (N:30%,M:20%,K:10%)
- 5. Lettering direction

Configurations & Dimensions



Series Name	A(Max)	B(Max)	C(Max)	E(Ref)	F(Ref)	G(Ref)	a	b	c
FHW3308	12.95	9.40	3.50	2.54	2.54	7.62	3.00	2.90	7.30
FHW3316	12.95	9.40	5.21	2.54	2.54	7.62	3.00	2.90	7.30
FHW3340	12.95	9.40	11.43	2.54	2.54	7.62	3.00	2.90	7.30
FHW3322	19.54	15.24	7.11	2.54	2.54	12.70	3.00	2.90	12.40

Unit: mm

品牌；FHW-丰辉旺电感

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SMD Unshielded Power Inductors-HB Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current(A)	Heat Rating Current(A)	SRF Min.(MHz)
FHW3308-100M	10	100/0.25	0.11	2.40	2.00	35
FHW3308-150M	15		0.15	2.00	1.50	33
FHW3308-220M	22		0.23	1.60	1.30	25
FHW3308-330M	33		0.30	1.40	1.10	19
FHW3308-470M	47		0.39	1.00	0.80	14
FHW3308-680M	68		0.66	0.90	0.70	12
FHW3308-101M	100		0.84	0.70	0.60	10
FHW3308-151M	150		1.20	0.60	0.50	8.0
FHW3308-221M	220		1.90	0.50	0.40	6.0
FHW3308-331M	330		2.70	0.40	0.30	5.0
FHW3308-471M	470		4.00	0.30	0.20	4.0
FHW3308-681M	680		5.30	0.20	0.10	3.0
FHW3308-102M	1000		8.40	0.10	0.05	2.5

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

※ Heat Rating Current that causes the temperature rise($\Delta T=40^{\circ}\text{C}$)from 25℃ ambient.

SMD Unshielded Power Inductors-HB Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current(A)	Heat Rating Current(A)	SRF Min.(MHz)
FHW3316-1R0M	1.0	100/0.25	0.009	9.00	6.80	100
FHW3316-1R5M	1.5		0.010	8.00	6.40	90
FHW3316-2R2M	2.2		0.012	7.00	6.10	80
FHW3316-3R3M	3.3		0.015	6.40	5.40	65
FHW3316-4R7M	4.7		0.018	5.40	4.80	55
FHW3316-6R8M	6.8		0.027	4.60	4.40	38
FHW3316-100M	10		0.038	3.80	3.90	30
FHW3316-150M	15		0.046	3.00	3.10	27
FHW3316-220M	22		0.085	2.00	2.70	19
FHW3316-330M	33		0.100	2.00	2.10	15
FHW3316-470M	47		0.140	1.60	1.80	12
FHW3316-680M	68		0.200	1.40	1.50	10
FHW3316-101M	100		0.200	1.20	1.30	9.0
FHW3316-151M	150		0.400	1.00	1.00	6.0
FHW3316-221M	220		0.610	0.80	0.80	5.0
FHW3316-331M	330		1.020	0.60	0.60	4.5
FHW3316-471M	470		1.270	0.50	0.50	3.5
FHW3316-681M	680		2.020	0.40	0.40	2.5
FHW3316-102M	1000		3.000	0.30	0.30	2.0

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

SMD Unshielded Power Inductors-HB Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current(A)	Heat Rating Current(A)	SRF Min.(MHz)
FHW3340-100M	10	100/0.25	0.040	8.00	3.50	22
FHW3340-150M	15		0.050	7.00	3.00	18
FHW3340-220M	22		0.066	5.50	2.50	11
FHW3340-330M	33		0.080	4.00	2.00	9.0
FHW3340-470M	47		0.110	3.80	1.6	8.0
FHW3340-680M	68		0.170	3.00	1.20	7.0
FHW3340-101M	100		0.220	2.50	1.00	5.5
FHW3340-151M	150		0.340	2.00	0.90	4.0
FHW3340-221M	220		0.440	1.50	0.70	3.5
FHW3340-331M	330		0.070	1.20	0.60	2.5
FHW3340-471M	470		0.095	1.10	0.30	2.0
FHW3340-681M	680		1.200	1.00	0.20	2.0
FHW3340-102M	1000		2.00	0.80	0.10	1.5

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

※ Heat Rating Current that causes the temperature rise($\Delta T=40^{\circ}\text{C}$)from 25℃ ambient.

SMD Unshielded Power Inductors-HB Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current(A)	Heat Rating Current(A)	SRF Min.(MHz)
FHW5022-1R0M	1.0	100/0.25	0.009	20.00	8.60	80
FHW5022-2R2M	2.2		0.014	16.00	7.10	80
FHW5022-3R3M	3.3		0.018	14.00	6.20	60
FHW5022-5R6M	5.6		0.020	12.00	5.30	40
FHW5022-100M	10		0.031	10.00	4.30	30
FHW5022-150M	15		0.036	8.00	3.00	22
FHW5022-220M	22		0.047	7.00	3.50	20
FHW5022-330M	33		0.066	5.50	3.00	15
FHW5022-470M	47		0.086	4.00	2.60	9.0
FHW5022-680M	68		0.130	3.50	2.30	8.0
FHW5022-101M	100		0.190	3.00	1.80	7.0
FHW5022-151M	150		0.250	2.60	1.50	6.0
FHW5022-221M	220		0.300	2.40	1.20	5.0
FHW5022-331M	330		0.560	1.90	1.00	4.0
FHW5022-471M	470		0.850	1.40	0.82	3.0
FHW5022-681M	680		1.100	1.20	0.72	2.5
FHW5022-102M	1000		1.800	1.00	0.56	2.0

※ Saturation Rated Current that will cause initial inductance value approximately 10% rolloff. (Ta=25±5℃)

※ Heat Rating Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

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