

SMD Unshielded Power Inductors-CD Series



Feature

- 1. RoHS, Halogen Free and REACH Compliance
- 2. Unshielded power inductor
- 3. Various package size and wide inductance range

Applications

- 1. Graphic cards
- 2. DC/DC converters

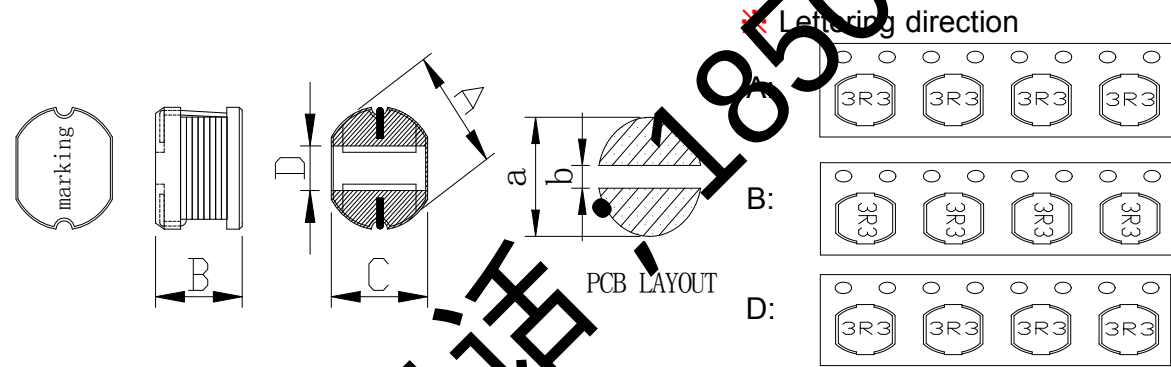
Product Identification

CD 1054 - 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	B	C	D	a	b
FHW3521	3.5±0.3	2.1±0.3	3.0±0.3	1.25 Ref	4.5	1.0
FHW4532	4.5±0.3	3.2±0.3	4.0±0.3	1.8 Ref	5.5	1.2
FHW5825	5.8±0.3	2.5±0.3	5.2±0.3	2.2 Ref	6.8	1.3
FHW5830	5.8±0.3	3.0±0.3	5.2±0.3	2.2 Ref	6.8	1.3
FHW6845	5.8±0.3	4.5±0.3	5.2±0.3	2.2 Ref	6.8	1.3
FHW7835	7.8±0.3	3.5±0.3	7.0±0.3	2.6 Ref	8.8	2.1
FHW7850	7.8±0.3	5.0±0.3	7.0±0.3	2.6 Ref	8.8	2.1
FHW1054	10.0±0.3	5.4±0.3	9.0±0.3	3.2 Ref	11.0	2.5

Unit: mm

品牌；FHW- 丰辉旺电感 专业电感制造商

深圳市丰辉旺科技有限公司联系电话；18503051681同微信号

www.jh-dzcl.com

SMD Unshielded Power Inductors-CD Series

Electrical Characteristics				
Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW3521-R56MB	0.56	100/0.25	0.023	4.00
FHW3521-1R0MB	1.0		0.040	3.20
FHW3521-1R5MB	1.5		0.055	2.80
FHW3521-2R2MB	2.2		0.070	2.50
FHW3521-2R7MB	2.7		0.078	2.00
FHW3521-3R3MB	3.3		0.090	1.80
FHW3521-3R9MB	3.9		0.125	1.60
FHW3521-4R7MB	4.7		0.140	1.50
FHW3521-6R8MB	6.8		0.230	0.95
FHW3521-8R2MB	8.2		0.250	0.92
FHW3521-100KB	10		0.270	0.90
FHW3521-150KB	15		0.400	0.75
FHW3521-180KB	18		0.480	0.70
FHW3521-220KB	22		0.580	0.60
FHW3521-330KB	33		0.920	0.55
FHW3521-420KB	42		1.200	0.50
FHW3521-470KB	47		1.270	0.45
FHW3521-680KB	68		2.000	0.30
FHW3521-101KB	100		2.800	0.20

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

品牌；FHW-丰辉旺电感

SMD Unshielded Power Inductors-CD Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW4532-1R0MB	1.0	100/0.25	0.021	4.00
FHW4532-1R5MB	1.5		0.026	3.60
FHW4532-2R2MB	2.2		0.030	3.40
FHW4532-2R7MB	2.7		0.045	3.00
FHW4532-3R3MB	3.3		0.055	2.80
FHW4532-4R7MB	4.7		0.076	2.50
FHW4532-6R8MB	6.8		0.100	2.00
FHW4532-8R2MB	8.2		0.124	1.65
FHW4532-100KB	10		0.140	1.60
FHW4532-150KB	15		0.210	1.20
FHW4532-220KB	22		0.315	1.00
FHW4532-270KB	27		0.403	0.90
FHW4532-330KB	33		0.466	0.80
FHW4532-470KB	47		0.770	0.70
FHW4532-680KB	68		0.986	0.50
FHW4532-101KB	100		1.500	0.44
FHW4532-151KB	150		2.110	0.35
FHW4532-181KB	180		2.420	0.30

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

品牌；FHW-丰辉旺电感

深圳市丰辉旺科技有限公司；联系电话；18503051681李生同微信号

www.jh-dzcl.com

FHW

SMD Unshielded Power Inductors-CD Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW5825-1R5MB	1.5	100/0.25	0.024	4.00
FHW5825-2R2MB	2.2		0.035	3.50
FHW5825-3R3MB	3.3		0.046	2.70
FHW5825-4R7MB	4.7		0.070	2.20
FHW5825-6R8MB	6.8		0.092	1.70
FHW5825-100MB	10		0.115	1.50
FHW5825-150MB	15		0.192	1.20
FHW5825-220KB	22		0.280	1.00
FHW5825-330KB	33		0.384	0.80
FHW5825-470KB	47		0.500	0.70
FHW5825-680KB	68		0.800	0.60
FHW5825-101KB	100		1.100	0.40

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

品牌；FHW- 丰辉旺电感

深圳市丰辉旺科技有限公司；联系电话；18503051681李生同微信号

www.jh-dzcl.com

FHW

SMD Unshielded Power Inductors-CD Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW5830-1R5MB	1.5	100/0.25	0.018	4.10
FHW5830-2R2MB	2.2		0.026	3.50
FHW5830-3R3MB	3.3		0.034	3.00
FHW5830-4R7MB	4.7		0.048	2.50
FHW5830-6R8MB	6.8		0.070	2.20
FHW5830-8R2MB	8.2		0.082	2.00
FHW5830-100MB	10		0.100	1.80
FHW5830-150MB	15		0.150	1.70
FHW5830-180KB	18		0.180	1.60
FHW5830-220KB	22		0.220	1.50
FHW5830-330KB	33		0.300	1.10
FHW5830-390KB	39		0.370	1.00
FHW5830-470KB	47		0.430	0.90
FHW5830-680KB	68		0.680	0.80
FHW5830-101KB	100		0.880	0.60
FHW5830-121KB	120		1.200	0.58
FHW5830-151KB	150		1.300	0.43
FHW5830-181KB	151		1.680	0.41
FHW5830-221KB	220		1.880	0.38
FHW5830-331KB	330		3.200	0.28

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

品牌；FHW-丰辉旺电感

深圳市丰辉旺科技有限公司；联系电话；18503051681李生同微信号

www.jh-dzcl.com

SMD Unshielded Power Inductors-CD Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW5845-R56MB	0.56	100/0.25	0.007	9.50
FHW5845-1R0NB	1.0		0.012	6.00
FHW5845-1R5MB	1.5		0.014	5.20
FHW5845-2R2MB	2.2		0.018	4.50
FHW5845-3R3MB	3.3		0.025	3.50
FHW5845-4R7MB	4.7		0.035	3.00
FHW5845-6R8MB	6.8		0.047	2.50
FHW5845-8R2MB	8.2		0.059	2.20
FHW5845-100KB	10		0.063	2.00
FHW5845-120KB	12		0.070	1.80
FHW5845-150KB	15		0.100	1.70
FHW5845-180KB	18		0.150	1.65
FHW5845-220KB	22		0.164	1.50
FHW5845-270KB	27		0.180	1.30
FHW5845-330KB	33		0.230	1.20
FHW5845-470KB	47		0.370	1.00
FHW5845-560KB	56		0.420	0.72
FHW5845-680KB	68		0.460	0.61
FHW5845-101KB	100		0.610	0.52
FHW5845-151KB	150		0.860	0.40
FHW5845-221KB	220		1.370	0.35
FHW5845-331KB	330		1.850	0.25
FHW5845-391KB	390		2.200	0.23
FHW5845-471KB	470		2.400	0.20
FHW5845-681KB	680		3.600	0.15
FHW5845-102KB	1000	1/0.25	5.760	0.13

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

品牌：FHW-丰辉旺电感

深圳市丰辉旺科技有限公司；联系电话：18503051681李生同微信号

www.jh-dzcl.com

FHW

SMD Unshielded Power Inductors-CD Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW7835-1R0MB	1.0	100/0.2V	0.009/0.008	6.00
FHW7835-1R5MB	1.5		0.012/0.009	5.00
FHW7835-2R2MB	2.2		0.014	4.00
FHW7835-3R3MB	3.3		0.023	3.50
FHW7835-4R7MB	4.7		0.029	3.00
FHW7835-6R8MB	6.8		0.044	2.50
FHW7835-100MB	10		0.061	2.00
FHW7835-150MB	15		0.091	1.80
FHW7835-220KB	22		0.120	1.50
FHW7835-330KB	33		0.180	1.10
FHW7835-470KB	47		0.250	0.90
FHW7835-680KB	68		0.330	0.70
FHW7835-101KB	100		0.480	0.55
FHW7835-151KB	150		0.793	0.50
FHW7835-221KB	220		1.124	0.42
FHW7835-331KB	330		1.495	0.35
FHW7835-471KB	470		2.376	0.30
FHW7835-681KB	680		3.312	0.25
FHW7835-221KB	220		1.124	0.42
FHW7835-331KB	330		1.495	0.35
FHW7835-471KB	470		2.376	0.30
FHW7835-681KB	680		3.312	0.25
FHW7835-221KB	220		1.124	0.42
FHW7835-331KB	330		1.495	0.35
FHW7835-471KB	470		2.376	0.30
FHW7835-681KB	680		3.312	0.25

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

品牌：FHW-丰辉旺电感。

深圳市丰辉旺科技有限公司；联系电话：18503051681李生同微信号

www.jh-dzcl.com

SMD Unshielded Power Inductors-CD Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
CD7850-1R2MB	1.2	100/0.25	0.013/0.011	10.00
CD7850-1R5MB	1.5		0.015/0.013	9.00
CD7850-2R2MB	2.2		0.018/0.015	8.00
CD7850-3R3MB	3.3		0.024/0.02	6.50
CD7850-4R7MB	4.7		0.021	4.00
CD7850-5R6MB	5.6		0.025	3.50
CD7850-6R8MB	7		0.030	3.10
CD7850-100KB	10		0.045	2.30
CD7850-150KB	15		0.055	1.80
CD7850-220KB	22		0.080	1.50
CD7850-330KB	33		0.120	1.30
FHW7850-470KB	47		0.180	1.10
FHW7850-560KB	56		0.240	0.94
FHW7850-680KB	68		0.280	0.85
FHW7850-101KB	100		0.430	0.72
FHW7850-121KB	120		0.470	0.66
FHW7850-151KB	150		0.600	0.60
FHW7850-221KB	220		0.960	0.49
FHW7850-331KB	330		1.260	0.40
FHW7850-471KB	470		1.960	0.34
FHW7850-681KB	680		2.610	0.30
FHW7850-821KB	820		2.990	0.25
FHW7850-102KB	1000	1/0.25	3.300	0.22
FHW7850-152KB	1500		5.500	0.20
FHW7850-222KB	2200		7.900	0.15
FHW7850-302KB	2201		11.500	0.12
FHW7850-682KB	6800		26.280	0.07

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

SMD Unshielded Power Inductors-CD Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)MAX
FHW1054-3R3MB	3.3	100/0.25	0.015/0.012	7.00
FHW1054-4R7MB	4.7		0.023/0.015	6.00
FHW1054-6R8MB	6.8		0.025	5.00
FHW1054-100KB	10.0		0.030	4.00
FHW1054-150KB	15.0		0.042	3.20
FHW1054-220KB	22.0		0.060	2.50
FHW1054-330KB	33		0.095	1.60
FHW1054-470KB	47		0.130	1.80
FHW1054-560KB	56		0.142	1.50
FHW1054-680KB	68		0.15	1.30
FHW1054-820KB	82		0.23	1.10
FHW1054-101KB	100		0.260	0.97
FHW1054-121KB	120		0.312	0.85
FHW1054-151KB	150		0.368	0.78
FHW1054-181KB	180		0.437	0.72
FHW1054-221KB	220		0.600	0.66
FHW1054-331KB	330		0.830	0.52
FHW1054-471KB	470		1.280	0.42
FHW1054-681KB	680		1.950	0.40
FHW1054-102KB	1000	1/0.25	2.500	0.30
FHW1054-152KB	1500		4.250	0.25
FHW1054-202KB	2000		5.000	0.20
FHW1054-282KB	2800		6.400	0.18

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