

SMD Shielded Power Inductors-CDRH Series

■ Feature

- 1.Excellent solderability and high heat resistance
- 2.Magnetically shielded construction
- 3.Low cost and packed in embossed carrier tape



■ Applications

- 1.Ideally used in power supply for VTR
- 2.Digital camera
- 3.DC-DC Converter
- 4.OA equipment
- 5.LCD television
- 6.Notebook PC

■ Product Identification

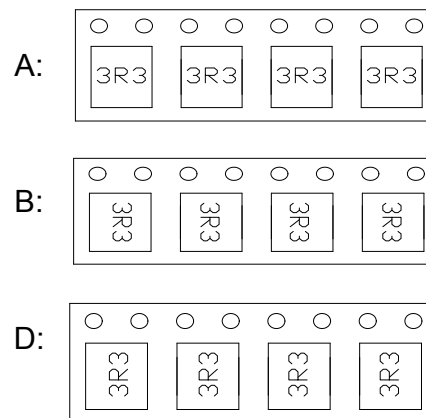
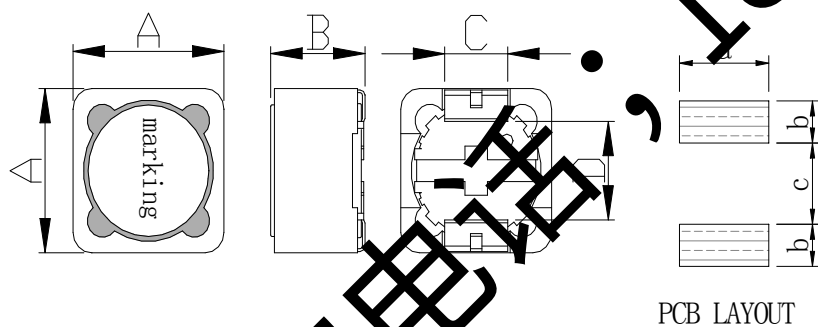
CDRH 1207 - 150 M B

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

✗ Lettering direction



Series Name	A	B(Max)	C	D	a(Ref)	b(Ref)	c(Ref)
FHWRH1203	7.3±0.3	3.5	1.8	5.4±0.2	2.2	1.6	4.8
FHWRH1204	12.0±0.3	4.5	1.8	5.4±0.2	2.2	1.6	4.8
FHWRH1205	12.0±0.3	4.5	5.0	7.6±0.2	5.4	2.8	7.0
FHWRH1207	12.0±0.3	6.0	5.0	7.6±0.2	5.4	2.8	7.0
FHWRH1209	12.0±0.3	8.0	5.0	7.6±0.2	5.4	2.8	7.0
FHWRH1209	12.0±0.3	10.0	5.0	7.6±0.2	5.4	2.8	7.0

Unit: mm

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Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH0703-1R0N	1.0	100/0.25	0.016	7.97
FHWRH0703-1R5N	1.5		0.023	5.50
FHWRH0703-2R2N	2.2		0.027	4.50
FHWRH0703-3R3N	3.3		0.031	4.00
FHWRH0703-4R7N	4.7		0.048	3.50
FHWRH0703-5R6N	5.6		0.056	3.00
FHWRH0703-6R8N	6.8		0.062	2.50
FHWRH0703-100M	10		0.072	1.68
FHWRH0703-150M	15		0.130	1.33
FHWRH0703-180M	18		0.140	1.20
FHWRH0703-220M	22		0.190	1.07
FHWRH0703-330M	33		0.240	0.91
FHWRH0703-470M	47		0.360	0.76
FHWRH0703-680M	68		0.520	0.61
FHWRH0703-101M	100		0.790	0.50
FHWRH0703-151M	150		1.270	0.43
FHWRH0703-181M	180		1.450	0.39
FHWRH0703-221M	220		1.650	0.35
FHWRH0703-331M	330		2.620	0.28
FHWRH0703-471M	470		4.180	0.24
FHWRH0703-681M	680		5.730	0.19
FHWRH0703-102M	1000		9.440	0.16

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

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

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Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH0704-1R0N	1.0	100/0.25	0.015	9.00
FHWRH0704-1R5N	1.5		0.018	7.00
FHWRH0704-2R2N	2.2		0.028	6.00
FHWRH0704-3R3N	3.3		0.032	4.80
FHWRH0704-4R7N	4.7		0.038	4.00
FHWRH0704-5R6N	5.6		0.040	3.50
FHWRH0704-6R8N	6.8		0.045	3.00
FHWRH0704-100M	10		0.049	1.84
FHWRH0704-150M	15		0.081	1.47
FHWRH0704-180M	18		0.091	1.31
FHWRH0704-220M	22		0.110	1.23
FHWRH0704-330M	33		0.170	0.96
FHWRH0704-470M	47		0.260	0.88
FHWRH0704-680M	68		0.380	0.70
FHWRH0704-101M	100		0.610	0.60
FHWRH0704-151M	150		0.880	0.46
FHWRH0704-181M	180		0.980	0.42
FHWRH0704-221M	220		1.170	0.36
FHWRH0704-331M	330		1.860	0.32
FHWRH0704-471M	470		3.010	0.26
FHWRH0704-681M	680		4.630	0.22
FHWRH0704-102M	1000		6.000	0.18

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SMD Shielded Power Inductors-CDRH Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
CDRH1204-3R9M	3.9	100/0.25	0.015	6.50
FHWRH1204-4R7M	4.7		0.018	5.70
FHWRH1204-6R8M	6.8		0.023	4.90
FHWRH1204-8R2M	8.2		0.026	4.60
FHWRH1204-100M	10		0.028	4.50
FHWRH1204-120M	12		0.038	4.00
FHWRH1204-150M	15		0.050	3.50
FHWRH1204-180M	18		0.057	3.10
FHWRH1204-220M	22		0.066	2.90
FHWRH1204-270M	27		0.080	2.80
FHWRH1204-330M	33		0.097	2.70
FHWRH1204-390M	39		0.132	2.10
FHWRH1204-470M	47		0.150	1.90
FHWRH1204-560M	56		0.190	1.80
FHWRH1204-680M	68		0.220	1.50
FHWRH1204-820M	82		0.260	1.30
FHWRH1204-101M	100		0.308	1.20
FHWRH1204-121M	120		0.380	1.10
FHWRH1204-151M	150		0.530	0.95
FHWRH1204-181M	180		0.620	0.85
FHWRH1204-221M	220		0.700	0.80
FHWRH1204-331M	330		0.990	0.50

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SMD Shielded Power Inductors-CDRH Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH1205-2R2N	2.2	100/0.25	0.014	7.00
FHWRH1205-3R3N	3.3		0.017	6.00
FHWRH1205-4R7N	4.7		0.020	5.00
FHWRH1205-5R6N	5.6		0.021	4.40
FHWRH1205-6R8M	7		0.024	4.20
FHWRH1205-100M	10		0.025	4.00
FHWRH1205-150M	15		0.030	3.50
FHWRH1205-180M	18		0.034	3.00
FHWRH1205-220M	22		0.036	2.80
FHWRH1205-270M	27		0.051	2.30
FHWRH1205-330M	33		0.067	2.10
FHWRH1205-390M	39		0.068	2.00
FHWRH1205-470M	47		0.075	1.80
FHWRH1205-560M	56		0.110	1.70
FHWRH1205-680M	68		0.120	1.50
FHWRH1205-820M	82		0.140	1.40
FHWRH1205-101M	100	1/0.25	0.160	1.30
FHWRH1205-121M	120		0.170	1.10
FHWRH1205-151M	150		0.230	1.00
FHWRH1205-181M	180		0.290	0.90
FHWRH1205-221M	220		0.400	0.80
FHWRH1205-331M	330		0.510	0.68
FHWRH1205-471M	470		0.770	0.58
FHWRH1205-561M	560		0.860	0.54
FHWRH1205-681M	680		1.200	0.48
FHWRH1205-102M	1000		1.530	0.40

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Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH1207-2R2N	2.2	100/0.25	0.012	8.00
FHWRH1207-3R3N	3.3		0.014	7.50
FHWRH1207-4R7N	4.7		0.016	6.80
FHWRH1207-5R6N	5.6		0.018	6.60
FHWRH1207-6R8M	7		0.020	6.00
FHWRH1207-100M	10		0.022	5.40
FHWRH1207-150M	15		0.030	4.50
FHWRH1207-180M	18		0.039	3.90
FHWRH1207-220M	22		0.043	3.60
FHWRH1207-270M	27		0.046	3.40
FHWRH1207-330M	33		0.055	3.00
FHWRH1207-390M	39		0.073	2.75
FHWRH1207-470M	47		0.100	2.50
FHWRH1207-560M	56		0.110	2.35
FHWRH1207-680M	68		0.140	2.10
FHWRH1207-820M	82		0.160	1.95
FHWRH1207-101M	100	1/0.25	0.220	1.70
FHWRH1207-121M	120		0.250	1.60
FHWRH1207-151M	150		0.280	1.42
FHWRH1207-181M	180		0.350	1.30
FHWRH1207-221M	220		0.390	1.16
FHWRH1207-331M	330		0.640	0.95
FHWRH1207-471M	470		0.980	0.79
FHWRH1207-561M	560		1.070	0.73
FHWRH1207-681M	680		1.460	0.67
FHWRH1207-102M	1000		1.820	0.56

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Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHWRH1209-1R0N	2.2	100/0.25	0.006	19.90
FHWRH1209-1R8N	3.3		0.007	13.40
FHWRH1209-3R3N	4.7		0.010	12.00
FHWRH1209-4R7N	5.6		0.011	10.00
FHWRH1209-6R8M	7		0.013	5.56
FHWRH1209-100M	10		0.018	7.12
FHWRH1209-150M	15		0.026	5.14
FHWRH1209-180M	18		0.028	5.48
FHWRH1209-220M	22		0.029	5.12
FHWRH1209-270M	27		0.042	4.68
FHWRH1209-330M	33		0.063	4.25
FHWRH1209-390M	39		0.058	3.92
FHWRH1209-470M	47		0.063	3.60
FHWRH1209-560M	56		0.068	2.85
FHWRH1209-680M	68		0.093	2.76
FHWRH1209-820M	82		0.099	2.62
FHWRH1209-101M	100	1/0.25	0.126	2.31
FHWRH1209-121M	120		0.154	2.05
FHWRH1209-151M	150		0.174	1.80
FHWRH1209-181M	180		0.191	1.66
FHWRH1209-221M	220		0.246	1.64
FHWRH1209-331M	330		0.386	1.28
FHWRH1209-471M	470		0.471	1.06
FHWRH1209-561M	560		0.650	1.01
FHWRH1209-681M	680		0.730	0.83
FHWRH1209-102M	1000		1.220	0.70
FHWRH1209-152M	1500		1.990	0.56
FHWRH1209-222M	2200		2.580	0.43

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品牌；FHW-丰辉旺电感

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