

SMD Shielded Power Inductors-CDRH Series

Feature

- 1.Various high power inductors are superior to be high saturation
- 2.Suitable for surface mounting equipment
- 3.Excellent solderability and high heat resistance



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

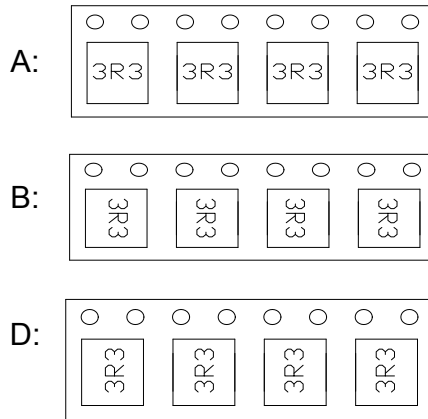
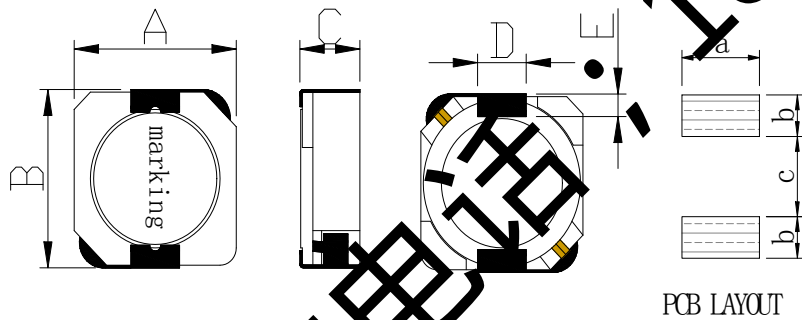
CDRH 104R - 150 M B

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	C	D	E	a(Ref)	b(Ref)	c(Ref)
FHWRH103R	10.0±0.3	10.3±0.3	2.8±0.3	3.0±0.2	1.2±0.2	3.2	1.6	7.3
FHWRH104R	10.0±0.3	10.3±0.3	3.8±0.3	3.0±0.2	1.2±0.2	3.2	1.6	7.3
FHWRH105R	10.0±0.3	10.3±0.3	4.8±0.3	3.0±0.2	1.2±0.2	3.2	1.6	7.3

Unit: mm

品牌；FHW-丰辉旺电感

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SMD Shielded Power Inductors-CDRH Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHWRH103R-R80N	0.8	100/0.25	0.006	11.20	8.30
FHWRH103R-1R5N	1.5		0.011	8.00	5.80
FHWRH103R-2R2N	2.2		0.017	6.70	5.10
FHWRH103R-3R3N	3.3		0.021	5.56	4.70
FHWRH103R-4R7N	4.7		0.030	4.65	4.00
FHWRH103R-6R8N	5.6		0.035	3.84	3.60
FHWRH103R-8R2N	8.2		0.050	3.54	3.00
FHWRH103R-100M	10		0.059	3.18	2.80
FHWRH103R-150M	15		0.091	2.60	2.05
FHWRH103R-180M	18		0.143	2.16	1.60
FHWRH103R-220M	22		0.202	1.74	1.35
FHWRH103R-330M	33		0.299	1.43	1.20
FHWRH103R-470M	47		0.325	1.36	1.15
FHWRH103R-680M	68		0.429	1.22	0.95
FHWRH103R-820M	82		0.494	1.14	0.80
FHWRH103R-101M	100		0.683	1.02	0.70
FHWRH103R-121M	120		0.754	0.89	0.65
FHWRH103R-151M	150		0.871	0.84	0.51

※ Saturation Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)

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

SMD Shielded Power Inductors-CDRH Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHWRH104R-1R5N	1.5	100/0.25	0.006	10.00	6.50
FHWRH104R-2R7N	2.7		0.011	7.50	6.10
FHWRH104R-3R9N	3.9		0.013	6.00	5.50
FHWRH104R-4R7N	4.7		0.022	5.50	5.10
FHWRH104R-6R8N	6.8		0.027	4.80	4.50
FHWRH104R-100M	10		0.035	4.40	3.90
FHWRH104R-120M	12		0.046	3.70	3.40
FHWRH104R-150M	15		0.050	3.60	3.10
FHWRH104R-180M	18		0.069	2.70	2.60
FHWRH104R-220M	22		0.073	2.90	2.50
FHWRH104R-270M	27		0.088	2.60	2.30
FHWRH104R-330M	33		0.093	2.30	2.20
FHWRH104R-470M	47		0.128	2.10	1.90
FHWRH104R-680M	68		0.213	1.50	1.42
FHWRH104R-820M	82		0.283	1.45	1.30
FHWRH104R-101M	100		0.304	1.35	1.25
FHWRH104R-121M	120		0.375	1.20	1.08
FHWRH104R-151M	150		0.506	1.15	0.85
FHWRH104R-181M	180		0.568	1.00	0.75
FHWRH104R-221M	220		0.756	0.92	0.70
FHWRH104R-271M	270		0.853	0.84	0.55
FHWRH104R-331M	330		1.090	0.70	0.52

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

SMD Shielded Power Inductors-CDRH Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Saturation Current (A)	Heat Rating Current(A)
FHWRH105R-1R5N	1.5	100/0.25	0.006	8.30	10.50
FHWRH105R-2R2N	2.2		0.008	7.50	9.25
FHWRH105R-3R3N	3.3		0.011	6.50	7.80
FHWRH105R-4R7N	4.7		0.013	6.10	6.10
FHWRH105R-6R8N	6.8		0.018	5.40	5.40
FHWRH105R-100M	10		0.026	4.50	4.50
FHWRH105R-120M	12		0.033	3.80	4.00
FHWRH105R-150M	15		0.041	3.40	3.60
FHWRH105R-180M	18		0.046	3.10	3.20
FHWRH105R-220M	22		0.061	2.90	2.95
FHWRH105R-270M	27		0.069	2.60	2.70
FHWRH105R-330M	33		0.084	2.50	2.40
FHWRH105R-470M	47		0.120	2.00	2.00
FHWRH105R-680M	68		0.201	1.60	1.65
FHWRH105R-820M	82		0.227	1.45	1.50
FHWRH105R-101M	100		0.253	1.35	1.35
FHWRH105R-121M	120		0.303	1.18	1.28
FHWRH105R-151M	150		0.370	1.10	1.12
FHWRH105R-181M	180		0.419	1.00	1.04
FHWRH105R-221M	220		0.500	0.94	0.94
FHWRH105R-271M	270		0.672	0.80	0.84
FHWRH105R-331M	330		0.812	0.73	0.75
FHWRH105R-471M	470		1.289	0.54	0.60
FHWRH105R-561M	560		1.430	0.52	0.54
FHWRH105R-681M	680		1.599	0.51	0.52
FHWRH105R-102M	1000		1.989	0.42	0.48

※ Saturation Rated Current that will cause initial inductance value approximately 35% rolloff. (Ta=25±5℃)

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

品牌：FHW-丰辉旺电感。

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