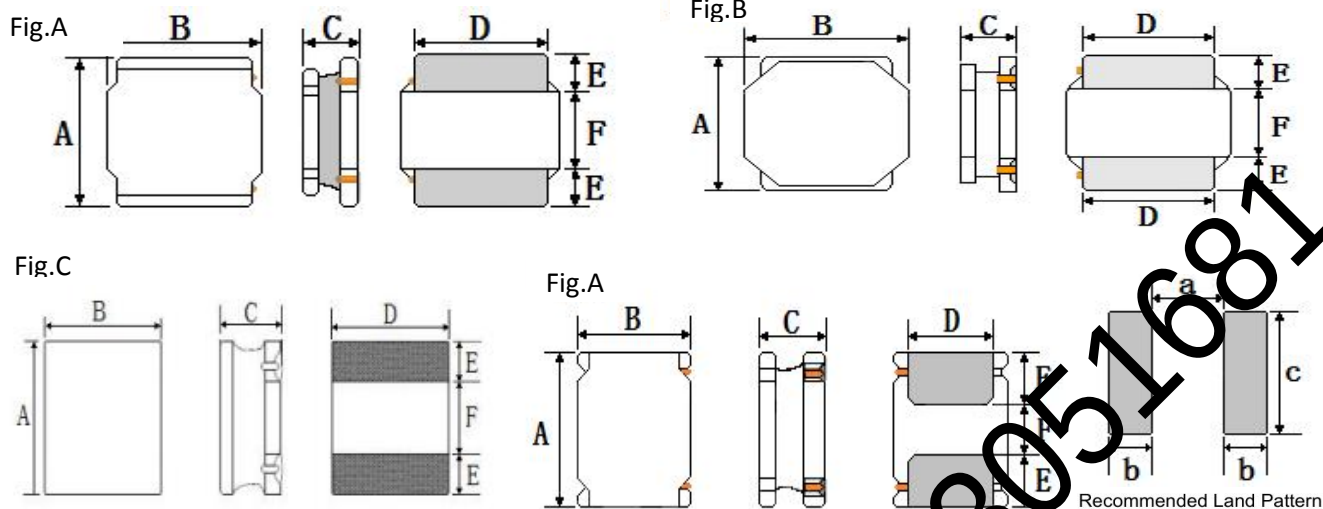


FHWR系列产品参数

1.SHAPE & DIMENSION. (Unit: mm)



Series	Shape	A	B	C	D Typ.	E Typ.	F Typ.	a Typ.	b Typ.	c Typ.
FHWR201610	Fig.A	2.0±0.3	1.6±0.3	1.05Max.	1.2	0.8	0.8	0.7	0.7	1.7
FHWR252010	Fig.C	2.5±0.3	2.0±0.3	1.0Max.	2	0.8	0.8	0.8	0.85	2
FHWR252012	Fig.C	2.5±0.3	2.0±0.3	1.2 Max.	2	0.8	0.8	0.8	0.85	2
FHWR3010	Fig.A	3.0±0.2	3.0±0.2	1.05Max.	2.5	0.8	1.4	1.3	1.0	2.8
FHWR3012	Fig.A	3.0±0.2	3.0±0.2	1.2 Max.	2.5	0.75	1.5	1.5	0.8	2.7
FHWR3015	Fig.A	3.0±0.2	3.0±0.2	1.5 Max.	2.5	0.75	1.5	1.5	0.8	2.7
FHWR4012	Fig.A	4.0±0.2	4.0±0.2	1.5 Max.	3.3	0.95	2.1	1.9	1.1	3.7
FHWR4015	Fig.B	4.0±0.2	4.0±0.2	1.5 Max.	3.3	0.95	2.1	1.9	1.1	3.7
FHWR4018	Fig.A	4.0±0.2	4.0±0.2	1.8 Max.	3.3	0.95	2.1	1.9	1.1	3.7
FHWR4020	Fig.A	4.0±0.2	4.0±0.2	2.0 Max.	3.3	0.95	2.1	1.9	1.1	3.7
FHWR4030	Fig.A	4.0±0.2	4.0±0.2	3.0 Max.	3.3	0.95	2.1	1.9	1.1	3.7
FHWR5020	Fig.B	5.0±0.2	5.0±0.2	2.0 Max.	4.0	1.25	2.5	2.3	1.4	4.2
FHWR5040	Fig.B	5.0±0.2	5.0±0.2	4.0 Max.	4.0	1.25	2.5	2.3	1.4	4.2
FHWR6020	Fig.A	6.0±0.3	6.0±0.3	2.0 Max.	4.9	1.55	2.9	2.8	1.7	5.7
FHWR6028	Fig.A	6.0±0.3	6.0±0.3	2.8 Max.	4.9	1.55	2.9	2.8	1.7	5.7
FHWR6040	Fig.A	6.0±0.3	6.0±0.3	4.5 Max.	4.9	1.55	2.9	2.8	1.7	5.7
FHWR8040	Fig.A	8.0±0.3	8.0±0.3	4.2 Max.	6.3	2	4.0	3.8	2.2	7.5

2. PART NUMBERING SYSTEM.

FHWR□□□ □□ — □□□ □
 1 2 34 5 6

- PRODUCT SYMBOL: (产品代号)
- DIMENSIONS: (规格尺寸)
- Edge type(边型): A=12边; B=8边; C=4边
- Lettering direction(印字方向) F:首字对孔 D:尾字对孔
- Inductance Value: (电感标称值)
- TOLERANCE: (公差): K±10%; M±20%; N±30%

FHWNR201610系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	(μ H)	(Ω)		(A)		(A)	
Units	100KHz/1.0V	Max	Typ	Max	Typ	Max	Typ
FHWNR201610A-R22N	0.22 $\pm$ 30%	0.040	0.033	3.70	4.10	2.80	3.10
FHWNR201610A-R24N	0.24 $\pm$ 30%	0.040	0.033	3.70	4.10	2.80	3.10
FHWNR201610A-R33N	0.33 $\pm$ 30%	0.048	0.043	3.00	3.70	2.40	2.90
FHWNR201610A-R47N	0.47 $\pm$ 30%	0.060	0.052	2.30	2.85	2.30	2.60
FHWNR201610A-R68N	0.68 $\pm$ 30%	0.076	0.068	1.95	2.45	2.00	2.20
FHWNR201610A-1R0N	1.0 $\pm$ 30%	0.114	0.104	1.65	1.85	1.45	1.60
FHWNR201610A-1R5N	1.5 $\pm$ 30%	0.174	0.164	1.35	1.65	1.10	1.20
FHWNR201610A-2R2M	2.2 $\pm$ 20%	0.265	0.232	1.20	1.45	1.05	1.15
FHWNR201610A-3R3M	3.3 $\pm$ 20%	0.345	0.328	1.00	1.20	0.85	0.95
FHWNR201610A-4R7M	4.7 $\pm$ 20%	0.480	0.430	0.75	0.90	0.70	0.80
FHWNR201610A-6R8M	6.8 $\pm$ 20%	0.800	0.715	0.70	0.85	0.55	0.60
FHWNR201610A-8R2M	8.2 $\pm$ 20%	0.940	0.818	0.68	0.78	0.53	0.60
FHWNR201610A-100M	10 $\pm$ 20%	1.000	0.930	0.65	0.70	0.50	0.60

网址 ; www.fenghuiwang.cn

FHWNR252010系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	(μ H)	(Ω)		(A)		(A)	
Units	100KHz/1.0V	Max	Typ	Max	Typ	Max	Typ
FHWNR252010C-R24N	0.24 $\pm$ 30%	0.034	0.026	3.60	4.40	2.75	3.00
FHWNR252010C-R33N	0.33 $\pm$ 30%	0.040	0.033	3.60	4.30	2.45	2.50
FHWNR252010C-R47N	0.47 $\pm$ 30%	0.044	0.035	2.80	3.20	2.40	2.60
FHWNR252010C-R68N	0.68 $\pm$ 30%	0.062	0.051	2.75	3.10	2.10	2.35
FHWNR252010C-1R0N	1.0 $\pm$ 30%	0.080	0.066	2.05	2.50	1.85	2.05
FHWNR252010C-1R5N	1.5 $\pm$ 30%	0.108	0.085	1.70	2.05	1.55	1.70
FHWNR252010C-2R2M	2.2 $\pm$ 20%	0.150	0.132	1.50	1.75	1.35	1.50
FHWNR252010C-3R3M	3.3 $\pm$ 20%	0.228	0.173	1.30	1.35	1.05	1.20
FHWNR252010C-4R7M	4.7 $\pm$ 20%	0.330	0.248	1.00	1.15	0.90	1.00
FHWNR252010C-5R6M	5.6 $\pm$ 20%	0.480	0.310	0.90	1.05	0.80	0.90
FHWNR252010C-6R8M	6.8 $\pm$ 20%	0.480	0.438	0.80	0.95	0.72	0.80
FHWNR252010C-8R2M	8.2 $\pm$ 20%	0.572	0.440	0.73	0.85	0.69	0.78
FHWNR252010C-100M	10 $\pm$ 20%	0.600	0.500	0.65	0.75	0.65	0.75
FHWNR252010C-120M	12 $\pm$ 20%	0.850	0.700	0.58	0.62	0.58	0.62
FHWNR252010C-150M	15 $\pm$ 20%	1.050	0.710	0.50	0.55	0.45	0.50

FHWNR252012系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	(μ H)	(Ω)		(A)		(A)	
Units	100KHz/1.0V	Max	Typ	Max	Typ	Max	Typ
FHWNR252012C-R24N	0.24 $\pm$ 30%	0.023	0.019	4.10	4.80	4.10	4.50
FHWNR252012C-R33N	0.33 $\pm$ 30%	0.031	0.026	4.00	4.70	3.35	3.70
FHWNR252012C-R47N	0.47 $\pm$ 30%	0.036	0.031	3.80	4.50	3.00	3.30
FHWNR252012C-R68N	0.68 $\pm$ 30%	0.047	0.038	3.00	3.30	2.30	2.50
FHWNR252012C-1R0N	1.0 $\pm$ 30%	0.060	0.050	2.25	2.50	2.30	2.60
FHWNR252012C-1R2N	1.2 $\pm$ 30%	0.078	0.065	2.20	2.50	2.00	2.20
FHWNR252012C-1R5N	1.5 $\pm$ 30%	0.090	0.075	2.00	2.35	1.80	2.00
FHWNR252012C-1R8N	1.8 $\pm$ 30%	0.108	0.093	1.95	2.20	1.75	1.90
FHWNR252012C-2R2M	2.2 $\pm$ 20%	0.108	0.093	1.75	1.90	1.75	1.90
FHWNR252012C-2R7M	2.7 $\pm$ 20%	0.156	0.130	1.30	1.60	1.40	1.50
FHWNR252012C-3R3M	3.3 $\pm$ 20%	0.156	0.130	1.20	1.35	1.40	1.50
FHWNR252012C-4R7M	4.7 $\pm$ 20%	0.228	0.190	1.10	1.20	1.10	1.20
FHWNR252012C-5R6M	5.6 $\pm$ 20%	0.339	0.255	1.00	1.10	1.00	1.15
FHWNR252012C-6R8M	6.8 $\pm$ 20%	0.360	0.300	0.90	1.10	0.95	1.05
FHWNR252012C-100M	10 $\pm$ 20%	0.522	0.435	0.70	0.85	0.78	0.86
FHWNR252012C-150M	15 $\pm$ 20%	1.000	0.700	0.60	0.70	0.50	0.60
FHWNR252012C-220M	22 $\pm$ 20%	1.290	1.000	0.45	0.55	0.48	0.55

网址 ; www.fenghuiwang.cn

FHWNR3010系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR3010AF-1R0N	1.0 $\pm$ 30%	0.085	0.072	1.40	2.10	1.45	1.60
FHWNR3010AF-1R5N	1.5 $\pm$ 30%	0.104	0.097	1.27	1.70	1.36	1.60
FHWNR3010AF-2R2M	2.2 $\pm$ 20%	0.143	0.111	1.15	1.50	1.10	1.40
FHWNR3010AF-3R3M	3.3 $\pm$ 20%	0.189	0.167	0.97	1.20	0.97	1.20
FHWNR3010AF-4R7M	4.7 $\pm$ 20%	0.293	0.216	0.73	1.05	0.77	1.10
FHWNR3010AF-6R8M	6.8 $\pm$ 20%	0.397	0.338	0.60	0.75	0.65	0.75
FHWNR3010AF-100M	10.0 $\pm$ 20%	0.520	0.445	0.55	0.75	0.58	0.70
FHWNR3010AF-150M	15.0 $\pm$ 20%	0.743	0.718	0.42	0.57	0.47	0.57
FHWNR3010AF-220M	22.0 $\pm$ 20%	1.020	0.848	0.35	0.43	0.40	0.52
FHWNR3010AF-330M	33.0 $\pm$ 20%	2.015	1.859	0.30	0.42	0.30	0.50
FHWNR3010AF-470M	47.0 $\pm$ 20%	2.535	2.010	0.26	0.35	0.26	0.35

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FHWNR3012系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR3012AF-1R0N	1.0 $\pm$ 30%	0.052	0.043	1.87	2.80	2.20	2.40
FHWNR3012AF-1R5N	1.5 $\pm$ 30%	0.059	0.052	1.62	1.90	1.80	2.00
FHWNR3012AF-2R2M	2.2 $\pm$ 20%	0.098	0.088	1.20	1.60	1.55	1.70
FHWNR3012AF-3R3M	3.3 $\pm$ 20%	0.130	0.118	1.00	1.20	1.36	1.45
FHWNR3012AF-4R7M	4.7 $\pm$ 20%	0.156	0.135	0.90	1.00	1.24	1.30
FHWNR3012AF-6R8M	6.8 $\pm$ 20%	0.247	0.218	0.75	0.90	0.98	1.10
FHWNR3012AF-100M	10.0 $\pm$ 20%	0.345	0.314	0.60	0.75	0.80	0.85
FHWNR3012AF-150M	15.0 $\pm$ 20%	0.438	0.425	0.45	0.62	0.70	0.75
FHWNR3012AF-220M	22.0 $\pm$ 20%	0.839	0.726	0.42	0.52	0.53	0.59
FHWNR3012AF-330M	33.0 $\pm$ 20%	1.138	0.086	0.36	0.46	0.46	0.50
MCNR3012AF-470M	47.0 $\pm$ 20%	1.885	1.761	0.27	0.35	0.35	0.40

网址 ; www.fenghuiwang.cn

FHWNR3015系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR3015AF-R47N	$0.47 \pm 30\%$	0.030	0.025	3.50	3.80	3.50	3.80
FHWNR3015AF-1R0N	$1.0 \pm 30\%$	0.039	0.032	2.35	2.60	2.35	2.50
FHWNR3015AF-1R5N	$1.5 \pm 30\%$	0.065	0.050	2.30	2.70	1.70	2.20
FHWNR3015AF-2R2M	$2.2 \pm 20\%$	0.078	0.064	1.90	2.00	1.80	2.00
FHWNR3015AF-3R3M	$3.3 \pm 20\%$	0.104	0.086	1.32	1.60	1.36	1.60
FHWNR3015AF-4R7M	$4.7 \pm 20\%$	0.163	0.108	1.10	1.30	1.10	1.20
FHWNR3015AF-5R6M	$5.6 \pm 20\%$	0.180	0.132	1.10	1.20	1.10	1.20
FHWNR3015AF-6R8M	$6.8 \pm 20\%$	0.260	0.200	0.90	1.10	1.10	1.20
FHWNR3015AF-100M	$10.0 \pm 20\%$	0.385	0.270	0.77	0.92	0.77	0.80
FHWNR3015AF-150M	$15.0 \pm 20\%$	0.455	0.390	0.66	0.85	0.66	0.70
FHWNR3015AF-220M	$22.0 \pm 20\%$	0.598	0.469	0.52	0.65	0.57	0.65
FHWNR3015AF-330M	$33.0 \pm 20\%$	1.066	0.800	0.45	0.50	0.45	0.50
FHWNR3015AF-470M	$47.0 \pm 20\%$	1.600	1.195	0.35	0.43	0.35	0.43
FHWNR3015AF-680M	$68.0 \pm 20\%$	2.700	1.650	0.28	0.35	0.28	0.31

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FHWNR4012系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR4012AF-1R0N	1.0 $\pm$ 30%	0.065	0.057	2.61	3.20	1.65	2.50
FHWNR4012AF-1R5N	1.5 $\pm$ 30%	0.085	0.073	2.10	2.70	1.48	2.20
FHWNR4012AF-1R8N	1.8 $\pm$ 30%	0.104	0.073	2.12	2.50	1.32	1.90
FHWNR4012AF-2R2M	2.2 $\pm$ 20%	0.104	0.088	1.76	2.30	1.32	1.90
FHWNR4012AF-3R3M	3.3 $\pm$ 20%	0.143	0.110	1.72	2.10	1.12	1.60
FHWNR4012AF-4R7M	4.7 $\pm$ 20%	0.163	0.137	1.15	1.80	1.05	1.50
FHWNR4012AF-5R6M	5.6 $\pm$ 20%	0.182	0.159	1.00	1.60	1.00	1.20
FHWNR4012AF-6R8M	6.8 $\pm$ 20%	0.257	0.227	0.85	1.40	0.84	1.10
FHWNR4012AF-100M	10.0 $\pm$ 20%	0.345	0.308	0.80	1.10	0.77	1.00
FHWNR4012AF-150M	15.0 $\pm$ 20%	0.442	0.412	0.56	0.80	0.64	0.85
FHWNR4012AF-220M	22.0 $\pm$ 20%	0.763	0.713	0.46	0.70	0.49	0.70
FHWNR4012AF-330M	33.0 $\pm$ 20%	1.053	0.915	0.42	0.60	0.42	0.58
FHWNR4012AF-470M	47.0 $\pm$ 20%	1.430	1.340	0.35	0.50	0.37	0.50

网址 ; www.fenghuiwang.cn

FHWNR4015系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR4015BF-1R0N	1.0 $\pm$ 30%	0.060	0.046	5.00	5.50	4.80	5.00
FHWNR4015BF-1R5N	1.5 $\pm$ 30%	0.068	0.057	4.20	4.60	4.20	4.60
FHWNR4015BF-2R2M	2.2 $\pm$ 20%	0.072	0.066	3.30	3.60	2.80	3.20
FHWNR4015BF-3R3M	3.3 $\pm$ 20%	0.114	0.096	2.60	3.10	2.20	2.50
FHWNR4015BF-4R7M	4.7 $\pm$ 20%	0.163	0.128	2.30	2.50	1.80	2.30
FHWNR4015BF-5R6M	5.6 $\pm$ 20%	0.202	0.181	1.90	2.30	1.60	2.10
FHWNR4015BF-6R8M	6.8 $\pm$ 20%	0.218	0.198	1.80	2.00	1.50	1.90
FHWNR4015BF-8R2M	8.2 $\pm$ 20%	0.306	0.218	1.60	1.80	1.40	1.80
FHWNR4015BF-100M	10.0 $\pm$ 20%	0.384	0.269	1.50	1.60	1.30	1.55
FHWNR4015BF-150M	15.0 $\pm$ 20%	0.465	0.361	1.30	1.45	1.20	1.40
FHWNR4015BF-220M	22.0 $\pm$ 20%	0.615	0.472	1.10	1.30	1.00	1.20
FHWNR4015BF-330M	33.0 $\pm$ 20%	1.275	1.069	0.65	0.80	0.70	0.90
FHWNR4015BF-470M	47.0 $\pm$ 20%	1.380	1.132	0.55	0.65	0.50	0.60

网址 ; www.fenghuiwang.cn

FHWNR4018系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR4018AF-R47N	$0.47 \pm 30\%$	0.018	0.014	4.30	5.20	4.00	4.50
FHWNR4018AF-R68N	$0.68 \pm 30\%$	0.026	0.022	4.90	5.60	3.50	3.80
FHWNR4018AF-1R0N	$1.00 \pm 30\%$	0.035	0.026	4.80	5.20	3.20	3.50
FHWNR4018AF-1R5N	$1.50 \pm 30\%$	0.042	0.367	3.35	4.00	3.00	3.20
FHWNR4018AF-2R2M	$2.20 \pm 20\%$	0.059	0.048	2.60	3.20	2.70	3.00
FHWNR4018AF-3R3M	$3.30 \pm 20\%$	0.091	0.061	2.45	2.70	2.30	2.50
FHWNR4018AF-4R7M	$4.70 \pm 20\%$	0.117	0.096	2.20	2.30	2.00	2.20
FHWNR4018AF-6R8M	$6.80 \pm 20\%$	0.143	0.115	1.70	1.90	1.50	1.70
FHWNR4018AF-100M	$10.0 \pm 20\%$	0.224	0.210	1.30	1.60	1.00	1.20
FHWNR4018AF-150M	$15.0 \pm 20\%$	0.325	0.250	0.94	1.10	0.94	1.00
FHWNR4018AF-220M	$22.0 \pm 20\%$	0.468	0.350	0.80	0.88	0.8	0.95
FHWNR4018AF-330M	$33.0 \pm 20\%$	0.689	0.524	0.56	0.70	0.5	0.7
FHWNR4018AF-470M	$47.0 \pm 20\%$	0.845	0.596	0.57	0.60	0.42	0.65
FHWNR4018AF-680M	$68.0 \pm 20\%$	1.300	1.160	0.45	0.55	0.35	0.5
FHWNR4018AF-101M	$100.0 \pm 20\%$	1.854	1.750	0.35	0.40	0.30	0.40

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FHWNR4020系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR4020AF-R47N	0.47±30%	0.018	0.012	7.00	7.50	4.00	4.50
FHWNR4020AF-R68N	0.68±30%	0.022	0.017	6.40	6.80	2.80	3.30
FHWNR4020AF-1R0N	1.00±30%	0.038	0.029	4.80	5.20	2.15	3.20
FHWNR4020AF-1R5N	1.50±30%	0.046	0.035	4.45	4.90	1.98	3.00
FHWNR4020AF-2R2M	2.20±20%	0.052	0.045	3.40	3.50	3.00	3.20
FHWNR4020AF-3R3M	3.30±20%	0.091	0.075	3.20	3.50	1.40	2.50
FHWNR4020AF-4R7M	4.70±20%	0.098	0.075	2.35	2.50	1.34	2.00
FHWNR4020AF-6R8M	6.80±20%	0.133	0.141	2.20	2.40	1.10	1.60
FHWNR4020AF-100M	10.0±20%	0.115	0.184	1.60	1.70	0.90	1.20
FHWNR4020AF-150M	15.0±20%	0.299	0.240	1.35	1.50	0.77	1.10
FHWNR4020AF-220M	22.0±20%	0.455	0.360	1.05	1.10	0.62	0.87
FHWNR4020AF-330M	33.0±20%	0.715	0.490	0.85	1.00	0.50	0.60
FHWNR4020AF-470M	47.0±20%	0.923	0.795	0.70	0.75	0.44	0.60

FHWNR4030系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(μ H)	Ω	Ω	A	A	A	A
FHWNR4030AF-R47N	$0.47 \pm 30\%$	0.016	0.011	7.80	9.80	5.20	5.10
FHWNR4030AF-1R0N	$1.00 \pm 30\%$	0.018	0.016	5.26	5.70	4.45	4.70
FHWNR4030AF-1R5N	$1.50 \pm 30\%$	0.026	0.021	4.84	5.30	3.34	3.60
FHWNR4030AF-2R2M	$2.20 \pm 20\%$	0.039	0.034	4.90	5.80	2.95	3.20
FHWNR4030AF-3R3M	$3.30 \pm 20\%$	0.052	0.043	3.80	3.60	2.40	2.60
FHWNR4030AF-4R7M	$4.70 \pm 20\%$	0.078	0.067	3.00	3.20	2.50	2.70
FHWNR4030AF-5R6M	$5.60 \pm 20\%$	0.085	0.077	2.60	2.80	1.95	2.10
FHWNR4030AF-6R8M	$6.80 \pm 20\%$	0.117	0.082	2.40	2.50	1.60	1.70
FHWNR4030AF-100M	$10.0 \pm 20\%$	0.130	0.118	1.95	2.40	1.50	1.60
FHWNR4030AF-150M	$15.0 \pm 20\%$	0.247	0.213	1.65	1.80	1.11	1.20
FHWNR4030AF-220M	$22.0 \pm 20\%$	0.292	0.250	1.30	1.40	1.00	1.20
FHWNR4030AF-330M	$33.0 \pm 20\%$	0.429	0.320	1.10	1.20	0.84	0.92
FHWNR4030AF-470M	$47.0 \pm 20\%$	0.579	0.495	0.95	1.00	0.72	0.80
FHWNR4030AF-680M	$68.0 \pm 20\%$	0.722	0.556	0.85	0.94	0.65	0.71
FHWNR4030AF-101M	$100.0 \pm 20\%$	1.128	0.895	0.72	0.80	0.52	0.57
FHWNR4030AF-101M	$100.0 \pm 20\%$	1.495	1.250	0.60	0.73	0.45	0.49

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FHWNR5020系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(μ H)	Ω	Ω	A	A	A	A
FHWNR5020BF-R47N	$0.47 \pm 30\%$	0.017	0.013	6.15	6.70	4.60	5.00
FHWNR5020BF-1R0N	$1.00 \pm 30\%$	0.026	0.019	4.10	5.00	3.80	4.10
FHWNR5020BF-1R5N	$1.50 \pm 30\%$	0.034	0.031	4.10	4.50	3.20	3.50
FHWNR5020BF-2R2M	$2.20 \pm 20\%$	0.042	0.036	3.20	4.0	2.90	3.10
FHWNR5020BF-3R3M	$3.30 \pm 20\%$	0.056	0.049	2.55	3.00	2.50	2.70
FHWNR5020BF-4R7M	$4.70 \pm 20\%$	0.074	0.063	2.30	2.70	2.20	2.40
FHWNR5020BF-6R8M	$6.80 \pm 20\%$	0.108	0.088	2.05	2.20	1.80	1.90
FHWNR5020BF-100M	$10.0 \pm 20\%$	0.143	0.118	1.70	1.80	1.55	1.70
FHWNR5020BF-150M	$15.0 \pm 20\%$	0.215	0.164	1.35	1.40	1.25	1.30
FHWNR5020BF-220M	$22.0 \pm 20\%$	0.294	0.257	1.15	1.20	1.10	1.20
FHWNR5020BF-330M	$33.0 \pm 20\%$	0.520	0.472	0.92	1.00	0.90	1.00
FHWNR5020BF-470M	$47.0 \pm 20\%$	0.680	0.541	0.77	0.84	0.77	0.84
FHWNR5020BF-680M	$68.0 \pm 20\%$	0.962	0.910	0.65	0.75	0.64	0.70
FHWNR5020BF-100L	$100.0 \pm 20\%$	1.430	1.350	0.53	0.58	0.53	0.58

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FHWNR5040系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR5040BF-R47N	$0.47 \pm 30\%$	0.013	0.010	10.00	11.50	6.60	7.50
FHWNR5040BF-1R0N	$1.00 \pm 30\%$	0.016	0.014	7.35	8.00	4.90	5.00
FHWNR5040BF-1R5N	$1.50 \pm 30\%$	0.020	0.016	6.30	6.80	4.30	4.85
FHWNR5040BF-2R2M	$2.20 \pm 20\%$	0.027	0.021	4.90	5.50	3.80	4.20
FHWNR5040BF-3R3M	$3.30 \pm 20\%$	0.031	0.028	3.95	4.45	3.40	3.90
FHWNR5040BF-4R7M	$4.70 \pm 20\%$	0.039	0.030	3.50	3.80	3.00	3.30
FHWNR5040BF-5R6M	$5.60 \pm 20\%$	0.046	0.040	3.00	3.70	2.80	3.10
FHWNR5040BF-6R8M	$6.80 \pm 20\%$	0.056	0.045	2.90	3.50	2.50	2.80
FHWNR5040BF-8R2M	$8.20 \pm 20\%$	0.062	0.059	2.70	3.00	2.30	2.60
FHWNR5040BF-100M	$10.0 \pm 20\%$	0.083	0.069	2.35	2.90	2.10	2.40
FHWNR5040BF-150M	$15.0 \pm 20\%$	0.112	0.096	2.00	2.20	2.00	2.05
FHWNR5040BF-220M	$22.0 \pm 20\%$	0.168	0.151	1.60	1.90	1.50	1.60
FHWNR5040BF-330M	$33.0 \pm 20\%$	0.244	0.200	1.30	1.45	1.20	1.35
FHWNR5040BF-470M	$47.0 \pm 20\%$	0.354	0.300	1.10	1.20	1.10	1.15
FHWNR5040BF-101M	$100.0 \pm 20\%$	0.728	0.645	0.75	0.85	0.70	0.80
FHWNR5040BF-151M	$150.0 \pm 20\%$	0.975	0.840	0.65	0.67	0.60	0.70

FHWNR6020系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR6020AF-1R0N	1.0 $\pm$ 30%	0.026	0.021	4.15	5.00	3.50	4.40
FHWNR6020AF-1R5N	1.5 $\pm$ 30%	0.029	0.022	4.25	5.10	3.60	4.00
FHWNR6020AF-2R2M	2.2 $\pm$ 20%	0.037	0.029	3.75	4.50	2.75	3.50
FHWNR6020AF-3R3M	3.3 $\pm$ 20%	0.046	0.039	3.15	3.70	2.60	3.30
FHWNR6020AF-4R7M	4.7 $\pm$ 20%	0.075	0.062	3.00	3.60	2.00	2.50
FHWNR6020AF-6R8M	6.8 $\pm$ 20%	0.103	0.083	2.20	2.60	1.80	2.30
FHWNR6020AF-100M	10.0 $\pm$ 20%	0.137	0.113	1.75	2.10	1.40	1.80
FHWNR6020AF-150M	15.0 $\pm$ 20%	0.189	0.157	1.20	1.40	1.20	1.50
FHWNR6020AF-220M	22.0 $\pm$ 20%	0.265	0.223	1.05	1.20	1.00	1.30
FHWNR6020AF-330M	33.0 $\pm$ 20%	0.390	0.351	0.95	1.10	0.84	1.05
FHWNR6020AF-470M	47.0 $\pm$ 20%	0.559	0.472	0.70	0.90	0.80	0.90

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FHWNR6028系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR6028AF-1R0N	1.00 $\pm$ 30%	0.016	0.012	7.00	8.00	5.20	5.70
FHWNR6028AF-1R5N	1.50 $\pm$ 30%	0.017	0.015	6.00	6.60	4.58	5.00
FHWNR6028AF-2R2M	2.20 $\pm$ 20%	0.026	0.020	5.10	5.60	4.00	4.10
FHWNR6028AF-3R3M	3.30 $\pm$ 20%	0.033	0.028	4.15	4.50	3.50	3.80
FHWNR6028AF-4R7M	4.70 $\pm$ 20%	0.039	0.032	3.00	3.30	3.08	3.40
FHWNR6028AF-5R1M	5.10 $\pm$ 20%	0.056	0.046	2.20	3.50	2.60	2.80
FHWNR6028AF-6R8M	6.80 $\pm$ 20%	0.061	0.051	2.60	3.00	2.40	2.60
FHWNR6028AF-100M	10.0 $\pm$ 20%	0.094	0.073	2.20	2.40	2.00	2.40
FHWNR6028AF-150M	15.0 $\pm$ 20%	0.163	0.130	1.75	1.90	1.45	1.60
FHWNR6028AF-220M	22.0 $\pm$ 20%	0.182	0.153	1.45	1.80	1.40	1.60
FHWNR6028AF-330M	33.0 $\pm$ 20%	0.241	0.220	1.35	1.50	1.22	1.30
FHWNR6028AF-470M	47.0 $\pm$ 20%	0.410	0.310	1.15	1.30	1.06	1.10
FHWNR6028AF-680M	68.0 $\pm$ 20%	0.468	0.425	0.80	0.95	0.86	0.95
FHWNR6028AF-100M	100.0 $\pm$ 20%	0.810	0.680	0.65	0.71	0.70	0.77

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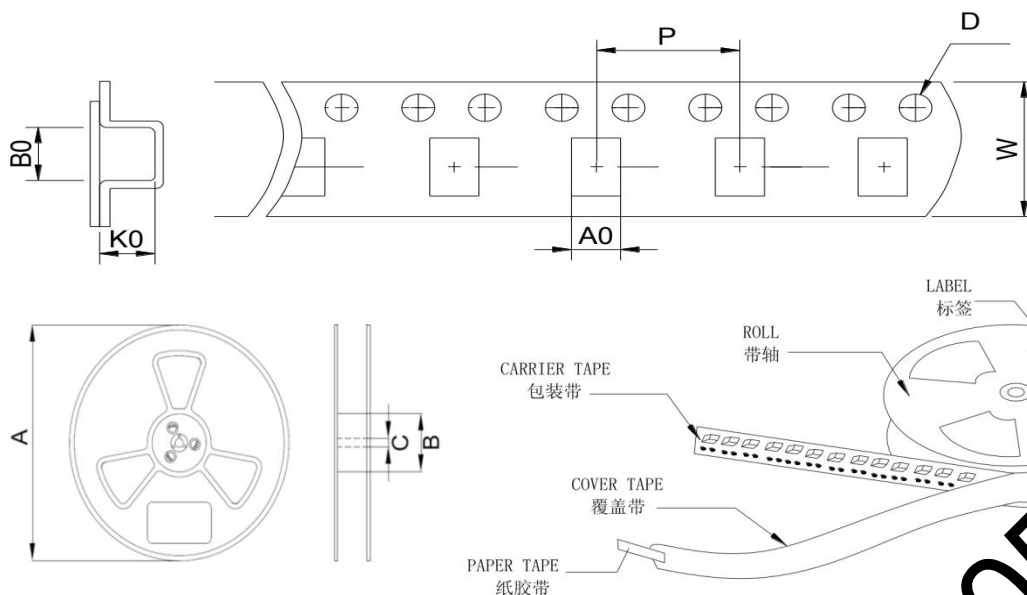
FHWNR6045系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR6045AF-1R0N	1.00 $\pm$ 30%	0.014	0.011	9.50	10.00	5.50	6.00
FHWNR6045AF-1R5N	1.50 $\pm$ 30%	0.016	0.013	8.80	9.50	4.95	5.40
FHWNR6045AF-2R2M	2.20 $\pm$ 20%	0.023	0.018	6.75	7.50	4.60	5.00
FHWNR6045AF-3R3M	3.30 $\pm$ 20%	0.027	0.022	5.90	6.20	3.70	4.00
FHWNR6045AF-4R7M	4.70 $\pm$ 20%	0.034	0.027	4.97	5.50	3.30	3.60
FHWNR6045AF-5R6M	5.60 $\pm$ 20%	0.038	0.035	4.25	4.60	3.15	3.40
FHWNR6045AF-6R8M	6.80 $\pm$ 20%	0.040	0.035	3.90	4.30	3.00	3.30
FHWNR6045AF-100M	10.0 $\pm$ 20%	0.062	0.051	3.20	3.50	2.45	2.70
FHWNR6045AF-150M	15.0 $\pm$ 20%	0.088	0.073	2.50	2.70	2.50	2.70
FHWNR6045AF-220M	22.0 $\pm$ 20%	0.116	0.095	2.05	2.20	1.80	2.00
FHWNR6045AF-330M	33.0 $\pm$ 20%	0.178	0.158	1.65	1.80	1.45	1.60
FHWNR6045AF-470M	47.0 $\pm$ 20%	0.260	0.230	1.40	1.50	1.30	1.40
FHWNR6045AF-680M	68.0 $\pm$ 20%	0.376	0.340	1.20	1.30	1.00	1.10
FHWNR6045AF-100M	100.0 $\pm$ 20%	0.563	0.510	0.95	1.00	0.80	0.88
FHWNR6045AF-151M	150.0 $\pm$ 20%	0.754	0.690	0.80	0.88	0.70	0.77
FHWNR6045AF-221M	220.0 $\pm$ 20%	1.084	0.900	0.70	0.75	0.55	0.60
FHWNR6045AF-331M	330.0 $\pm$ 20%	1.651	1.530	0.57	0.60	0.57	0.57

FHWNR8040系列特性参数

Part Number	Inductance	DCResistance		Isat (A)		Irms (A)	
	100KHz/1.0V	Max.	Typ.	Max.	Typ.	Max.	Typ.
Units	(uH)	Ω	Ω	A	A	A	A
FHWNR8040AF-1R0N	1.00 $\pm$ 30%	0.010	0.008	9.85	14.00	6.30	6.20
FHWNR8040AF-1R5N	1.50 $\pm$ 30%	0.013	0.010	8.15	11.00	5.65	6.20
FHWNR8040AF-2R2M	2.20 $\pm$ 20%	0.016	0.013	7.10	8.60	5.15	5.60
FHWNR8040AF-3R3M	3.30 $\pm$ 20%	0.022	0.015	6.50	7.00	4.40	4.80
FHWNR8040AF-4R7M	4.70 $\pm$ 20%	0.025	0.021	5.90	6.50	4.10	4.50
FHWNR8040AF-6R8M	6.80 $\pm$ 20%	0.034	0.030	4.55	5.20	3.60	4.00
FHWNR8040AF-100M	10.0 $\pm$ 20%	0.043	0.035	4.00	4.10	3.80	3.80
FHWNR8040AF-150M	15.0 $\pm$ 20%	0.061	0.056	2.95	3.40	2.60	2.80
FHWNR8040AF-220M	22.0 $\pm$ 20%	0.090	0.081	2.40	2.70	2.10	2.30
FHWNR8040AF-330M	33.0 $\pm$ 20%	0.126	0.108	2.05	2.40	1.80	2.00
FHWNR8040AF-470M	47.0 $\pm$ 20%	0.177	0.165	1.75	2.20	1.55	1.70
FHWNR8040AF-680M	68.0 $\pm$ 20%	0.255	0.235	1.45	1.60	1.25	1.40
FHWNR8040AF-101M	100.0 $\pm$ 20%	0.377	0.338	1.15	1.30	1.00	1.10
FHWNR8040AF-151M	150.0 $\pm$ 20%	0.533	0.475	1.10	1.20	0.85	0.94
FHWNR8040AF-221M	220.0 $\pm$ 20%	0.850	0.810	0.85	0.94	0.80	0.88
FHWNR8040AF-331M	330.0 $\pm$ 20%	1.156	1.050	0.68	0.75	0.64	0.70
FHWNR8040AF-471M	470.0 $\pm$ 20%	2.100	1.750	0.60	0.70	0.50	0.60

PACKAGING SPECIFICATION



Type	Tape Dimension (mm)TYP						Reel Dimension (mm)TYP			Quantity (Pcs/Reel)
	W	A0	B0	K0	D	P	A	B	C	
FHWNR201610	8	1.9	2.2	1.2	1.5	4	178	58	13	2000
FHWNR252010	8	2.35	2.65	1.4	1.5	4	178	58	13	2000
FHWNR252012	8	2.35	2.65	1.4	1.5	4	178	58	13	2000
FHWNR3010	8	3.3	3.3	1.4	1.5	4	178	58	13	2000
FHWNR3012	8	3.3	3.3	2	1.5	4	178	58	13	2000
FHWNR3015	8	3.3	3.3	2	1.5	4	178	58	13	2000
FHWNR4012	12	4.4	4.4	2	1.5	8	330	100	13	4500
FHWNR4015	12	4.4	4.4	2	1.5	8	330	100	13	3000
FHWNR4018	12	4.4	4.4	2	1.5	8	330	100	13	3000
FHWNR4020	12	4.4	4.4	2.1	1.5	8	330	100	13	3000
FHWNR4030	12	4.4	4.4	3.1	1.5	8	330	100	13	2000
FHWNR5020	12	5.5	5.5	2.4	1.5	8	330	100	13	2500
FHWNR5040	12	5.5	5.5	4.4	1.5	8	330	100	13	1500
FHWNR6020	12	6.5	6.5	3	1.5	8	330	100	13	2500
FHWNR6028	12	6.5	6.5	3	1.5	8	330	100	13	2000
FHWNR6045	12	6.5	6.5	4.7	1.5	8	330	100	13	1500
FHWNR8040	16	8.4	8.4	4.4	1.5	12	330	100	13	1000

PART NUMBERING SYSTEM.

- Operating temperature range (individual chip without packing): $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
- Storage temperature range (packaging conditions): $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ and RH 70% (Max.).
- Rating DC current: Temperature rise(ΔT) is 40°C approximately at Irms.
- Saturation DC current: Inductance drop approximately 30% of L_0 at Isat.