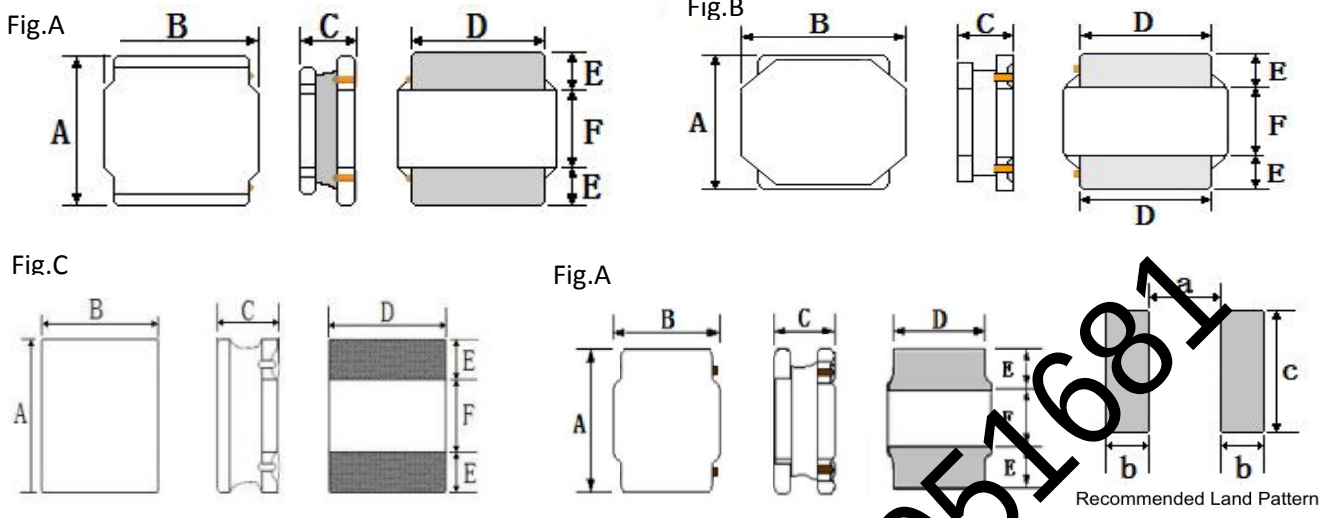


FHWNRA合金系列产品参数

1.SHAPE & DIMENSION. (Unit: mm)



Series	Shape	A	B	C	D Typ.	H Typ.	F Typ.	a Typ.	b Typ.	c Typ.
FHWNRA201610	Fig.A	2.0±0.3	1.6±0.3	1.05Max.	1.2	0.6	0.8	0.7	0.7	1.7
FHWNRA252010	Fig.A	2.5±0.3	2.0±0.3	1.0Max.	2	0.8	0.8	0.8	0.85	2
FHWNRA252012	Fig.A	2.5±0.3	2.0±0.3	1.2 Max.	2	0.8	0.8	0.8	0.85	2
FHWNRA3012	Fig.A	3.0±0.2	3.0±0.2	1.35 Max.	2.5	0.9	1.2	1	1.1	2.7
FHWNRA3015	Fig.A	3.0±0.2	3.0±0.2	1.5 Max.	2.5	0.9	1.2	1	1.1	2.7
FHWNRA4012	Fig.A	4.0±0.2	4.0±0.2	1.2 Max.	3.4	1	2	1.8	1.2	3.5
FHWNRA4020	Fig.A	4.0±0.2	4.0±0.2	2.0 Max.	3.4	1	2	1.8	1.2	3.5

2. PART NUMBERING SYSTEM.

FHWNRA□□□□□□ — □□□□□□
1 2 3 4 5 6

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

FHWNRA201610合金系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	(μ H)	(Ω)		(A)		(A)	
Units	1MHz/1.0V	Max	Typ	Max	Typ	Max	Typ
FHWNRA201610A-R24N	0.24 $\pm$ 30%	0.040	0.033	4.50	5.50	3.00	3.45
FHWNRA201610A-R33N	0.33 $\pm$ 30%	0.049	0.042	4.40	5.20	2.70	3.10
FHWNRA201610A-R47N	0.47 $\pm$ 30%	0.049	0.045	4.00	4.70	2.70	3.10
FHWNRA201610A-R68N	0.68 $\pm$ 30%	0.065	0.058	3.50	4.00	2.50	2.80
FHWNRA201610A-1R0N	1.0 $\pm$ 30%	0.095	0.085	3.30	3.80	2.00	2.30
FHWNRA201610A-1R5N	1.5 $\pm$ 30%	0.130	0.118	1.95	2.30	1.70	2.00
FHWNRA201610A-2R2M	2.2 $\pm$ 20%	0.180	0.164	1.90	2.15	1.40	1.60
FHWNRA201610A-3R3M	3.3 $\pm$ 20%	0.307	0.248	1.40	1.60	1.10	1.30
FHWNRA201610A-4R7M	4.7 $\pm$ 20%	0.425	0.375	1.10	1.40	0.90	1.00
FHWNRA201610A-6R8M	6.8 $\pm$ 20%	0.620	0.545	0.95	1.10	0.70	0.82
FHWNRA201610A-8R2M	8.2 $\pm$ 20%	0.870	0.788	0.86	1.00	0.66	0.76
FHWNRA201610A-100M	10 $\pm$ 20%	0.875	0.793	0.80	0.95	0.60	0.70

FHWNRA252010合金系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	(μ H)	(Ω)		(A)		(A)	
Units	1MHz/1.0V	Max	Typ	Max	Typ	Max	Typ
FHWNRA252010A-R24N	0.24 $\pm$ 30%	0.033	0.025	6.10	7.10	3.70	4.50
FHWNRA252010A-R33N	0.33 $\pm$ 30%	0.039	0.033	4.80	5.50	3.50	4.05
FHWNRA252010A-R47N	0.47 $\pm$ 30%	0.045	0.040	4.40	5.20	3.20	3.60
FHWNRA252010A-R68N	0.68 $\pm$ 30%	0.059	0.049	3.20	3.60	2.75	3.20
FHWNRA252010A-1R0N	1.0 $\pm$ 30%	0.085	0.080	3.10	4.00	2.20	2.60
FHWNRA252010A-1R5N	1.5 $\pm$ 30%	0.106	0.090	2.60	3.50	2.00	2.30
FHWNRA252010A-2R2M	2.2 $\pm$ 20%	0.155	0.129	1.90	2.20	1.50	1.80
FHWNRA252010A-3R3M	3.3 $\pm$ 20%	0.235	0.210	1.60	1.80	1.20	1.40
FHWNRA252010A-4R7M	4.7 $\pm$ 20%	0.340	0.290	1.10	1.50	1.00	1.10
FHWNRA252010A-6R8M	6.8 $\pm$ 20%	0.480	0.380	1.00	1.15	0.95	1.00
FHWNRA252010A-100M	10 $\pm$ 20%	0.740	0.700	0.90	1.00	0.65	0.75

FHWNRA252012合金系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	(μ H)	(Ω)		(A)		(A)	
Units	1MHz/1.0V	Max	Typ	Max	Typ	Max	Typ
FHWNRA252012A-R24N	0.24 $\pm$ 30%	0.023	0.019	6.50	7.80	4.05	4.70
FHWNRA252012A-R33N	0.33 $\pm$ 30%	0.035	0.028	5.35	6.30	3.70	4.30
FHWNRA252012A-R47N	0.47 $\pm$ 30%	0.035	0.029	4.90	5.60	3.45	4.00
FHWNRA252012A-R68N	0.68 $\pm$ 30%	0.045	0.039	3.80	4.50	3.15	3.60
FHWNRA252012A-1R0N	1.0 $\pm$ 30%	0.054	0.048	3.60	4.20	3.00	3.40
FHWNRA252012A-1R5N	1.5 $\pm$ 30%	0.100	0.090	2.90	3.50	2.40	2.80
FHWNRA252012A-2R2M	2.2 $\pm$ 20%	0.120	0.100	2.60	3.00	1.90	2.15
FHWNRA252012A-3R3M	3.3 $\pm$ 20%	0.215	0.175	1.75	2.10	1.50	1.80
FHWNRA252012A-4R7M	4.7 $\pm$ 20%	0.260	0.240	1.50	1.90	1.25	1.45
FHWNRA252012A-6R8M	6.8 $\pm$ 20%	0.366	0.335	1.20	1.40	0.95	1.10
FHWNRA252012A-8R2M	8.2 $\pm$ 21%	0.460	0.405	1.15	1.36	0.88	1.06
FHWNRA252012A-100M	10 $\pm$ 20%	0.480	0.465	1.10	1.35	0.85	1.00

咨询电话: 18503051681

FHWNRA3012合金系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	(μ H)	(Ω)		(A)		(A)	
Units	1MHZ/1V	Max	Typ	Max	Typ	Max	Typ
FHWNRA3012A-R47N	0.47 $\pm$ 30%	0.033	0.028	6.80	8.00	3.90	4.30
FHWNRA3012A-1R0N	1.0 $\pm$ 30%	0.054	0.049	4.2	5.2	2.7	3.10
FHWNRA3012A-1R5N	1.5 $\pm$ 30%	0.074	0.067	3.4	4.1	2.5	2.90
FHWNRA3012A-2R2M	2.2 $\pm$ 20%	0.108	0.098	2.8	3.35	2.05	2.35
FHWNRA3012A-3R3M	3.3 $\pm$ 20%	0.155	0.135	2.2	2.6	1.7	2.00
FHWNRA3012A-4R7M	4.7 $\pm$ 20%	0.235	0.217	2	2.5	1.3	1.70
FHWNRA3012A-6R8M	6.8 $\pm$ 20%	0.340	0.253	1.6	1.9	1.1	1.25
FHWNRA3012A-100M	10.0 $\pm$ 20%	0.432	0.374	1.2	1.45	1	1.15

咨询电话: 18503051681

FHWNRA3015合金系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	(μH)	(Ω)		(A)		(A)	
Units	1MHZ/1V	Max	Typ	Max	Typ	Max	Typ
FHWNRA3015A-R33N	0.33±30%	0.035	0.026	9.00	10.00	4.00	4.50
FHWNRA3015A-1R0N	1.0±30%	0.048	0.041	5.80	7.00	3.00	3.80
FHWNRA3015A-1R5N	1.5±30%	0.072	0.065	4.60	5.50	2.20	2.70
FHWNRA3015A-2R2M	2.2±20%	0.115	0.085	4.00	4.50	2.00	2.30
FHWNRA3015A-3R3M	3.3±20%	0.175	0.144	3.40	4.00	2.00	2.50
FHWNRA3015A-4R7M	4.7±20%	0.215	0.176	3.00	3.30	1.80	2.40
FHWNRA3015A-6R8M	6.8±20%	0.290	0.239	2.00	2.50	1.50	2.00
FHWNRA3015A-100M	10.0±20%	0.460	0.357	1.50	2.00	1.50	2.00
FHWNRA3015A-150M	15.0±20%	0.850	0.695	1.40	1.80	1.00	1.20
FHWNRA3015A-220M	22.0±20%	0.975	0.762	1.15	1.40	0.75	0.90

FHWNRA4012合金系列特性参数

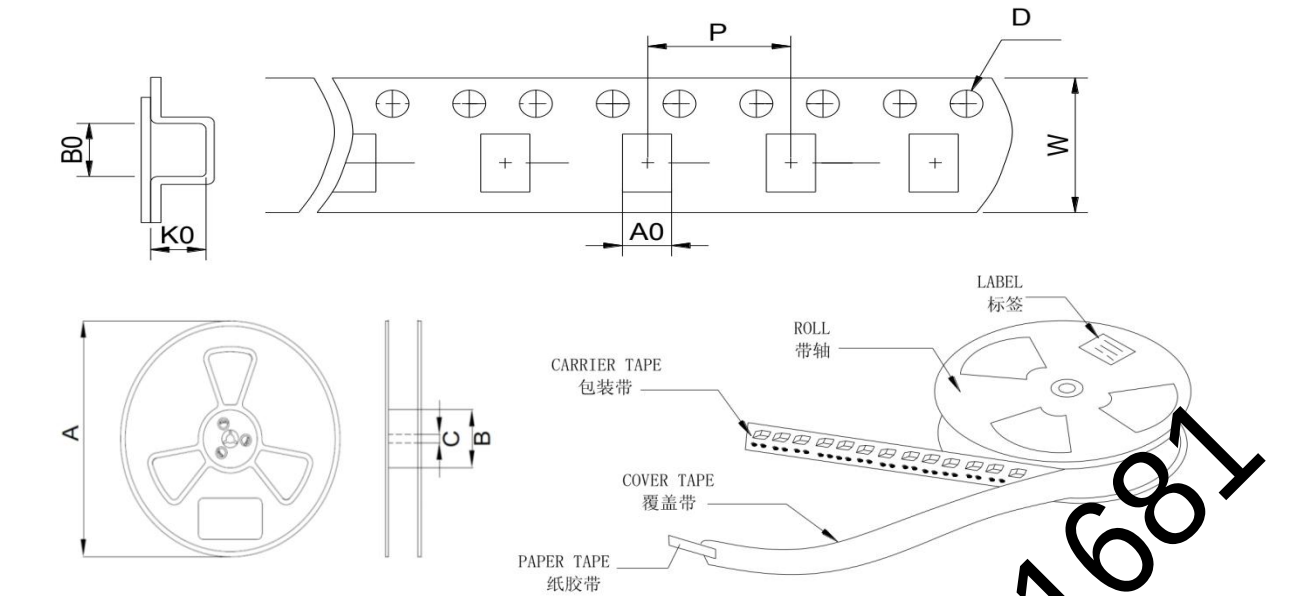
Part Number	Inductance	DCR		Isat		Irms	
	(μH)	(Ω)		(A)		(A)	
Units	1MHZ/1V	Max	Typ	Max	Typ	Max	Typ
FHWNRA4012A-R68N	0.68±30%	0.046	0.037	5.0	5.6	4.0	4.7
FHWNRA4012A-1R0N	1.0±30%	0.066	0.053	4.5	5.3	3.6	4.2
FHWNRA4012A-1R5N	1.5±30%	0.07	0.056	3.9	4.5	3.2	3.9
FHWNRA4012A-2R2M	2.2±20%	0.102	0.082	2.9	3.8	2.3	2.8
FHWNRA4012A-3R3M	3.3±20%	0.145	0.096	2.3	2.6	2.2	2.5
FHWNRA4012A-4R7M	4.7±20%	0.187	0.15	2.3	2.6	1.9	2.2
FHWNRA4012A-6R8M	6.8±20%	0.255	0.188	1.6	2.2	1.6	1.9
FHWNRA4012A-100M	10.0±20%	0.408	0.325	1.4	1.8	1.1	1.5
FHWNRA4012A-150M	15.0±20%	0.632	0.506	1.2	1.6	0.9	1.25
FHWNRA4012A-220M	22.0±20%	0.763	0.611	1.1	1.35	0.75	0.95

FHWNRA4020合金系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	(μH)	(Ω)		(A)		(A)	
Units	1MHZ/1V	Max	Typ	Max	Typ	Max	Typ
FHWNRA4020A-R47N	0.47±30%	0.032	0.021	10.00	12.00	6.40	7.50
FHWNRA4020A-1R0N	1.00±30%	0.039	0.032	7.70	7.70	5.00	4.50
FHWNRA4020A-2R2M	2.20±20%	0.093	0.073	6.00	5.00	3.00	3.50
FHWNRA4020A-3R3M	3.30±20%	0.117	0.093	4.80	5.20	2.15	3.20
FHWNRA4020A-4R7M	4.70±20%	0.153	0.123	4.00	4.70	2.00	2.20
FHWNRA4020A-100M	10.0±20%	0.235	0.190	2.80	3.50	2.00	2.35

咨询电话: 18503051681

PACKAGING SPECIFICATION



Type	Tape Dimension (mm)TYP						Reel Dimension (mm)TYP			Quantity (Pcs/Reel)
	W	A0	B0	K0	D	P	A	B	C	
FHWNRA201610	8	1.9	2.2	1.2	1.5	4	178	58	13	2000
FHWNRA252010	8	2.35	2.65	1.4	1.5	4	178	58	13	2000
FHWNRA252012	8	2.35	2.65	1.4	1.5	4	178	58	13	2000
FHWNRA3012	8	3.3	3.3	2	1.5	4	178	58	13	2000
FHWNRA3015	8	3.3	3.3	2	1.5	4	178	58	13	2000
FHWNRA4012	12	4.4	4.4	1.4	1.5	8	330	100	13	4500
FHWNRA4020	12	4.4	4.4	2.1	1.5	8	330	100	13	3000

PART NUMBERING SYSTEM.

- a. Operating temperature range (individual chip without packing): -40℃ ~ +125℃ .
- b. Storage temperature range (packaging conditions): -40℃ ~ +85℃ and RH 70% (Max.).
- c. Rating DC current: Temperature rise(ΔT) is 40℃ approximately at Irms.
- d. Saturation DC current: Inductance drop approximately 30% of L₀ at Isat.