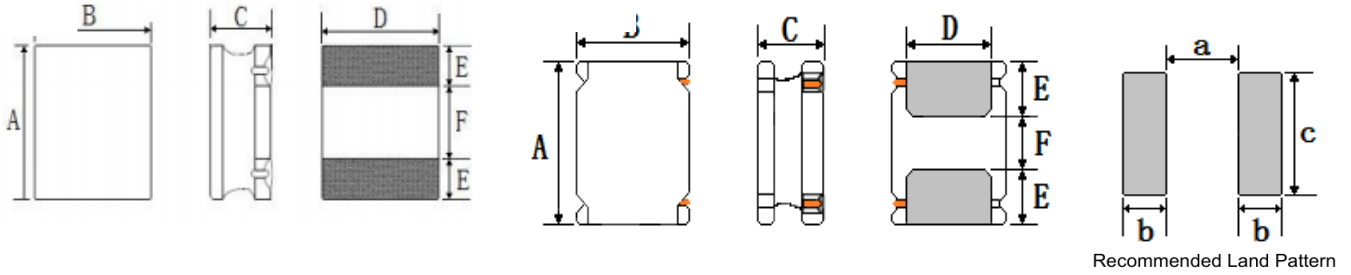


# HNR系列产品参数

## 1. SHAPE & DIMENSION. (Unit: mm)

Fig.D(HNR252010/HNR252012 SERIES)

Fig.L (HNR252010/HNR252012 SERIES)



Series	Shape	A	B	C	D	E	F	a Typ.	b Typ.	c Typ.
HNR252010	Fig.L/Fig.D	2.5±0.3	2.15±0.3	1.05Max.	2.0±0.2	0.8±0.2	0.8±0.2	0.80	0.85	2.0
HNR252012	Fig.L/Fig.D	2.5±0.3	2.15±0.3	1.25 Max.	2.0±0.2	0.8±0.2	0.8±0.2	0.80	0.85	2.0

## 2. PART NUMBERING SYSTEM.

**HNR** □ □ □    □ □ — □ □ □ □  
**1**            **2**        **34**        **5**        **6**

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

## 3. PART NUMBERING SYSTEM.

- a. Operating temperature range (individual chip without packing): -40°C ~ +125°C .
- b. Storage temperature range (packaging conditions): -40°C ~ +85°C and RH 70% (Max.).
- c. Rating DC current: Temperature rise(ΔT) is 40°C approximately at Irms.
- d. Saturation DC current: Inductance drop approximately 30% of L<sub>0</sub> at Isat.

## HNR252010L合金系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	( $\mu$ H)	( $\Omega$ )		(A)		(A)	
Units	1MHz/1V	Max	Typ	Max	Typ	Max	Typ
HNR252010L-R24M-MYX	0.24 $\pm$ 20%	0.033	0.025	6.10	7.10	3.70	4.50
HNR252010L-R24N-MYX	0.24 $\pm$ 30%	0.033	0.025	6.10	7.10	3.70	4.50
HNR252010L-R33M-MYX	0.33 $\pm$ 20%	0.039	0.033	4.80	5.50	3.50	4.05
HNR252010L-R33N-MYX	0.33 $\pm$ 30%	0.039	0.033	4.80	5.50	3.50	4.05
HNR252010L-R47M-MYX	0.47 $\pm$ 20%	0.045	0.040	4.40	5.20	3.20	3.60
HNR252010L-R47N-MYX	0.47 $\pm$ 30%	0.045	0.040	4.40	5.20	3.20	3.60
HNR252010L-R68M-MYX	0.68 $\pm$ 20%	0.059	0.049	3.20	3.60	2.75	3.20
HNR252010L-R68N-MYX	0.68 $\pm$ 30%	0.059	0.049	3.20	3.60	2.75	3.20
HNR252010L-1R0M-MYX	1.0 $\pm$ 20%	0.085	0.071	3.10	3.50	2.20	2.50
HNR252010L-1R0N-MYX	1.0 $\pm$ 30%	0.085	0.071	3.10	3.50	2.20	2.50
HNR252010L-1R5M-MYX	1.5 $\pm$ 20%	0.106	0.090	2.60	3.00	2.00	2.30
HNR252010L-1R5N-MYX	1.5 $\pm$ 30%	0.106	0.090	2.60	3.00	2.00	2.30
HNR252010L-2R2M-MYX	2.2 $\pm$ 20%	0.155	0.129	1.90	2.20	1.50	1.80
HNR252010L-3R3M-MYX	3.3 $\pm$ 20%	0.235	0.196	1.60	1.80	1.20	1.40
HNR252010L-4R7M-MYX	4.7 $\pm$ 20%	0.290	0.255	1.30	1.50	1.00	1.10
HNR252010L-6R8M-MYX	6.8 $\pm$ 20%	0.480	0.380	1.00	1.15	0.95	1.00
HNR252010L-100M-MYX	10 $\pm$ 20%	0.740	0.630	0.90	1.00	0.65	0.75

Design as Customer's Requested Specifications. (可按顾客的特殊需求设计)

## HNR252012A 合金系列特性参数

Part Number	Inductance	DCR		Isat		Irms	
	( $\mu$ H)	( $\Omega$ )		(A)		(A)	
Units	1MHz/1V	Max	Typ	Max	Typ	Max	Typ
HNR252012L-R24M-MYX	0.24 $\pm$ 20%	0.023	0.019	6.50	7.80	4.05	4.70
HNR252012L-R24N-MYX	0.24 $\pm$ 30%	0.023	0.019	6.50	7.80	4.05	4.70
HNR252012L-R33M-MYX	0.33 $\pm$ 20%	0.028	0.023	5.35	6.30	3.70	4.30
HNR252012L-R33N-MYX	0.33 $\pm$ 30%	0.028	0.023	5.35	6.30	3.70	4.30
HNR252012L-R47M-MYX	0.47 $\pm$ 20%	0.035	0.029	4.90	5.60	3.45	4.00
HNR252012L-R47N-MYX	0.47 $\pm$ 30%	0.035	0.029	4.90	5.60	3.45	4.00
HNR252012L-R68M-MYX	0.68 $\pm$ 20%	0.045	0.039	3.80	4.50	3.15	3.60
HNR252012L-R68N-MYX	0.68 $\pm$ 30%	0.045	0.039	3.80	4.50	3.15	3.60
HNR252012L-1R0M-MYX	1.0 $\pm$ 20%	0.054	0.048	3.60	4.20	3.00	3.40
HNR252012L-1R0N-MYX	1.0 $\pm$ 30%	0.054	0.048	3.60	4.20	3.00	3.40
HNR252012L-1R5M-MYX	1.5 $\pm$ 20%	0.078	0.060	2.90	3.50	2.40	2.80
HNR252012L-1R5N-MYX	1.5 $\pm$ 30%	0.078	0.060	2.90	3.50	2.40	2.80
HNR252012L-2R2M-MYX	2.2 $\pm$ 20%	0.120	0.100	2.60	3.00	1.90	2.15
HNR252012L-3R3M-MYX	3.3 $\pm$ 20%	0.215	0.175	1.70	2.10	1.50	1.80
HNR252012L-4R7M-MYX	4.7 $\pm$ 20%	0.260	0.225	1.60	1.90	1.25	1.45
HNR252012L-6R8M-MYX	6.8 $\pm$ 20%	0.366	0.305	1.20	1.40	0.95	1.10
HNR252012L-8R2M-MYX	8.2 $\pm$ 21%	0.460	0.396	1.15	1.36	0.88	1.06
HNR252012L-100M-MYX	10 $\pm$ 20%	0.480	0.435	1.10	1.35	0.85	1.00

Design as Customer's Requested Specifications. (可按顾客的特殊需求设计)