



# 【SPECIFICATION FOR APPROVAL】

SAN TUO P/N	ANR3015 Series	DATE	2015/11/1	REV	A
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变更履历

版本	变更项目	变更前内容	变更后内容	变更日期
A	初版	—	—	2015/11/1



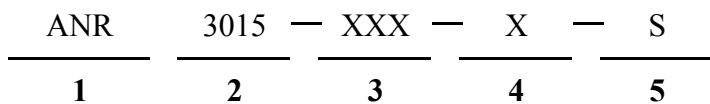
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**Wire Wound SMD Power Inductors–NR Series**

**Operating temperature range: -40℃~+125℃ (Including self-heating)**

## 1.PART NUMBERING SYSTEM



1.SERIES NAME

2.DIMENSIONS

3.INDUCTANCE

4.TOLERANCE CODE: J:±5% K:±10% L:±15% M:±20% P:±25% N:±30%

5.INTERNAL IDENTIFICATION

## 2.FEATURES:

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
- Metallization on ferrite core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- 30% higher current rating than conventional inductors of equal size
- Takes up less PCB real estate and save more power

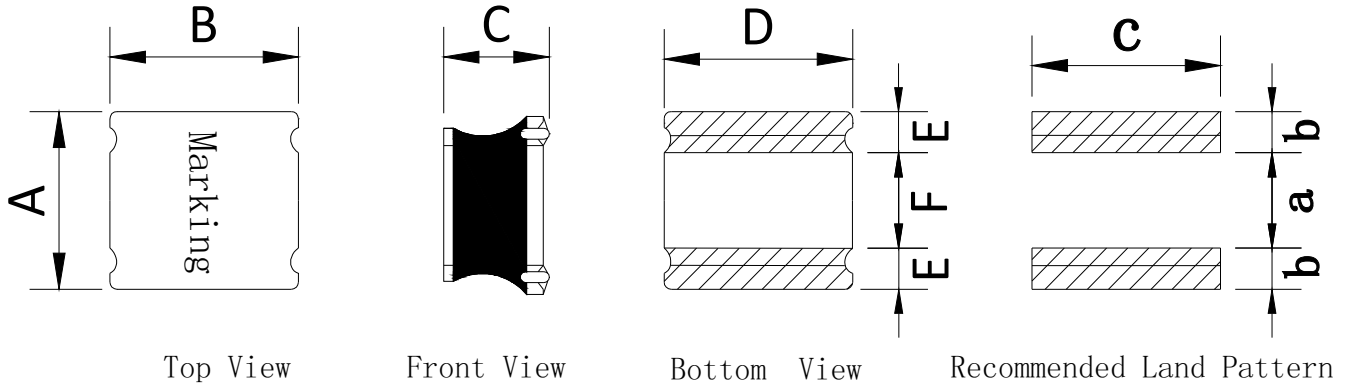
## 3.APPLICATIONS

- LED Lighting
- Next-generation mobile devices with multifunction such as mobile TV and digital movie cameras
- Flat-screen TVs, blue-ray disc recorders, set top box
- Notebooks, desktop computers, servers, graphic cards cards
- Portable gaming devices, personal navigation systems, personal multimedia devices
- Automotive systems
- Telecomm base stations

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## 1. Appearance shape (unit : mm)



## 2. Appearance size(unit : mm) Tolerance:

A	B	C	D	E	F	a	b	c		
3.0±0.2	3.0±0.2	1.6Max	2.5 Typ	0.9 Typ	1.2 Typ	1.5Typ.	0.8Typ.	2.7Typ.		

## 3. Test instruments

L: TH2826A LCR METER (or equivalent)

Isat: CH2815 LCR METER+VR7220 DC SUPPLIER (or equivalent)

DCR: HK502BC MILLIOHMMETER (or equivalent)



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4. CHARACTERISTICS

P/N	Inductance 电感 @100KHz,1V	DC Resistance 直流电阻 (±30%)	Saturation Current 饱和电流	Heat Rating Current 温升电流	Marking 印字
Units	uH	Ω	A	A	
Symbol	L	DCR	Isat	Irms	
ANR3015-1R0N-S	1.0±30%	0.030	2.32	2.10	1R0
ANR3015-1R5N-S	1.5±30%	0.050	2.00	1.70	1R5
ANR3015-2R2N-S	2.2±30%	0.060	1.60	1.60	2R2
ANR3015-3R3M-S	3.3±20%	0.080	1.32	1.36	3R3
ANR3015-4R7M-S	4.7±20%	0.125	1.10	1.09	4R7
ANR3015-5R6M-S	5.6±20%	0.170	1.05	1.00	5R6
ANR3015-6R8M-S	6.8±20%	0.200	0.85	0.85	6R8
ANR3015-100M-S	10±20%	0.250	0.72	0.77	100
ANR3015-150M-S	15±20%	0.350	0.66	0.65	150
ANR3015-220M-S	22±20%	0.460	0.52	0.57	220
ANR3015-330M-S	33±20%	0.820	0.44	0.42	330
ANR3015-470M-S	47±20%	1.250	0.35	0.32	470

※1: All test data is referenced to 20° C ambient;  
 ※2: Rated current: Isat or Irms, whichever is smaller;  
 ※\*3: Isat: DC current at which the inductance drops approximate30%Typ from its value without current;  
 ※\*4: Irms: DC current that causes the temperature rise (ΔT =40° C) from 20° C ambient.

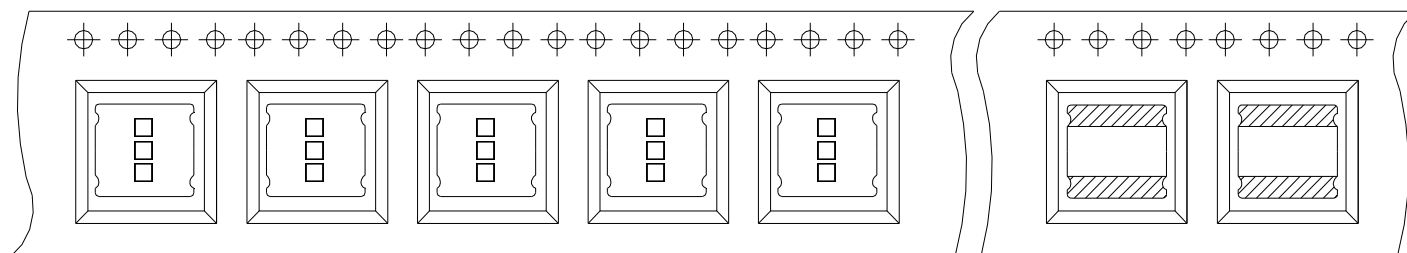
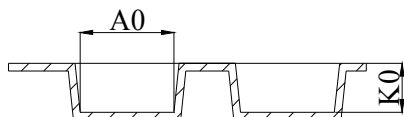
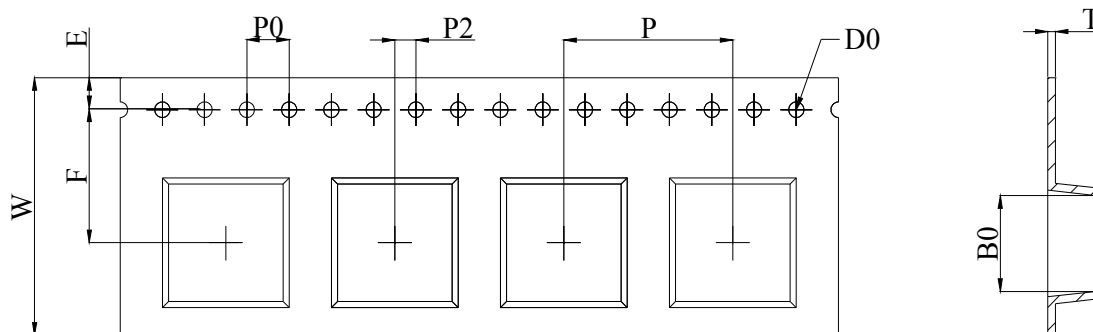


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## 1.DIMENSIONS FOR CARRIER TAPES:

ITEM	W	A0	B0	K0	K1	P	F	E	D0	D1	P0	P2	T
DIM	8.00	3.3	3.3	1.7	0.00	4.00	3.50	1.75	1.50	0.00	4.00	2.00	0.20
	+0.3	+0.10	+0.10	+0.10	+0.0	+0.1	+0.05	+0.1	+0.1	+0.0	+0.1	+0.05	+0.05
	-0.3	-0.10	-0.10	-0.10	-0.0	-0.1	-0.05	-0.1	-0.1	-0.0	-0.1	-0.05	-0.05



## 2.PACKING(mm)

载带宽度 (W)	间距 (P)	卷 (PCS) 7inch	5卷/内箱 (PCS)	8内箱/外箱 (PCS)
8mm	4mm	2000	10000	80000

备注:

- 1.内箱规格: 190\*190\*67mm (REF.) .
- 2.外箱规格: 365\*365\*150mm (REF.) .