

AXMI 【SPECIFICATION FOR APPROVAL】

SAN TUO P/N	ANR8040 Series	DATE	2015/11/26	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	—	—	2015/11/26



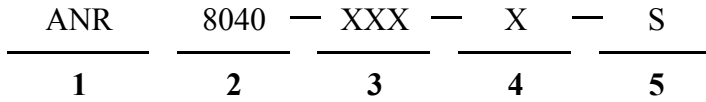
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Wire Wound SMD Power Inductors–ANR Series

Operating temperature range: -40°C~+125°C (Including self-heating)

1.PART NUMBERING SYSTEM



1.SERIES NAME

2.DIMENSIONS

3.TYPE

4.INDUCTANCE

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

6.INTERNAL IDENTIFICATION

2.FEATURES:

- Magnetic-resin shielded coANRuction 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

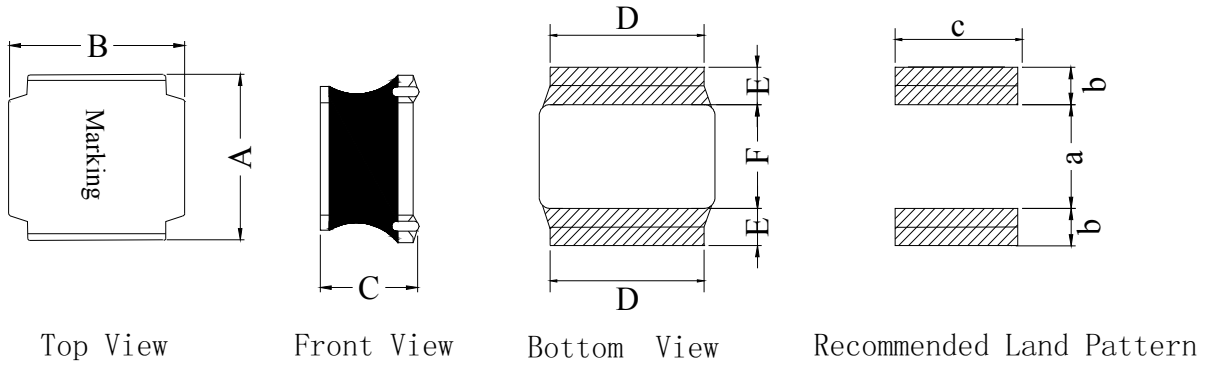
- LED Lighting
- Next-generation mobile devices with multifunction such as mobile TV and digital movie cameras
- Flat-screen TVs, blue-ray disc recorders, set top box
- Notebooks, desktop computers, servers, graphic cards cards
- Portable gaming devices, personal navigation systems, personal multimedia 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		
8.0±0.3	8.0±0.3	4.2Max	6.3Typ.	2.2Typ.	3.6Typ.	3.8Typ.	2.2Typ.	7.5Typ.		

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,0.25V	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	
ANR8040-R56N	0.56±30%	0.005	11.50	7.60	R56
ANR8040-1R0N	1.0±30%	0.008	9.85	6.30	1R0
ANR8040-1R5N	1.5±30%	0.010	8.15	5.65	1R5
ANR8040-2R2N	2.2±30%	0.012	7.10	5.15	2R2
ANR8040-3R3N	3.3±30%	0.017	6.50	4.40	3R3
ANR8040-4R7N	4.7±30%	0.020	5.90	4.00	4R7
ANR8040-5R6N	5.6±30%	0.024	5.50	3.80	5R6
ANR8040-6R8M	6.8±20%	0.028	4.55	3.60	6R8
ANR8040-8R2M	8.2±20%	0.035	4.20	3.40	8R2
ANR8040-100M	10±20%	0.037	3.60	3.10	100
ANR8040-150M	15±20%	0.056	2.95	2.50	150
ANR8040-220M	22±20%	0.074	2.40	2.00	220
ANR8040-330M	33±20%	0.100	2.05	1.70	330
ANR8040-470M	47±20%	0.158	1.75	1.50	470
ANR8040-680M	68±20%	0.196	1.45	1.20	680
ANR8040-101M	100±20%	0.295	1.15	1.00	101
ANR8040-151M	150±20%	0.470	1.10	0.80	151
ANR8040-181M	180±20%	0.610	0.90	0.75	181
ANR8040-221M	220±20%	0.660	0.85	0.70	221
ANR8040-331M	330±20%	0.970	0.68	0.55	331
ANR8040-471M	470±20%	1.400	0.60	0.48	471

※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 approximate 30% from its value without current;
 ※4: Irms: DC current that causes the temperature rise (ΔT =40° C) from 20° C ambient.

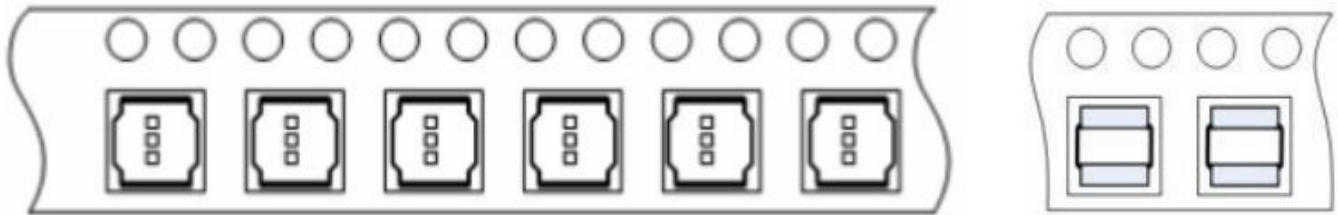
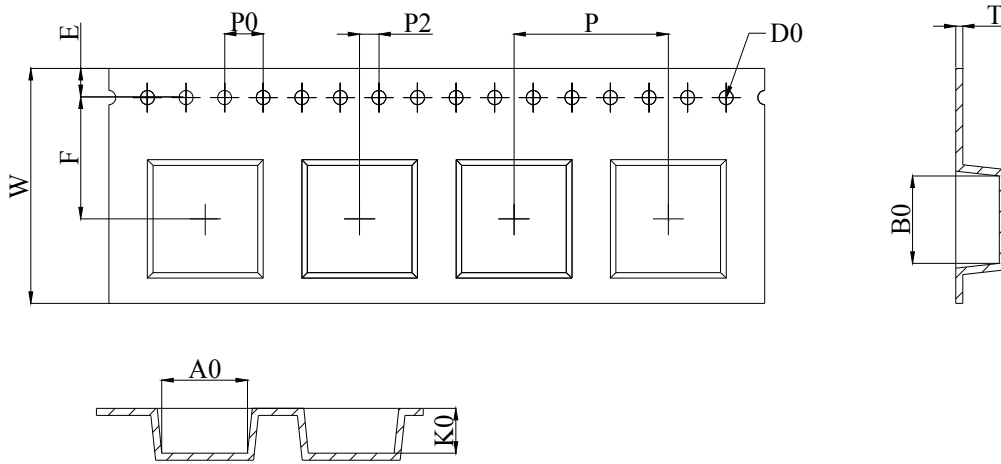


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1.DIMENSIONS FOR CARRIER TAPES:

ITEM	W	A0	B0	K0	K1	P	F	E	D0	D1	P0	P2	T
DIM	16.00	8.40	8.40	4.2	0.00	12.00	7.50	1.75	1.50	0.00	4.00	2.00	0.35
	+0.3	+0.1	+0.1	+0.1	+0.0	+0.1	+0.15	+0.1	+0.1	+0.0	+0.1	+0.1	+0.05
	-0.3	-0.1	-0.1	-0.1	-0.0	-0.1	-0.15	-0.1	-0.0	-0.0	-0.1	-0.1	-0.05



2.PACKING(mm)

载带宽度 (W)	间距 (P)	卷 (PCS) 13inch	3卷/2袋 (PCS)	2袋/内箱 (PCS)	5内箱/外箱 (PCS)
16mm	12mm	1000	3000	3000	15000

备注:

1. 包装袋规格: 375*400mm (REF.) .
2. 内箱规格: 340*70*340mm (REF.) .
3. 外箱规格: 375*360*360mm (REF.) .