

Product Specification

Number: RNP18-PKS0406-102K

Name: Radial Power Inductor

Customer: _____

Date: 2025-02-26

Customer Signature:



Compi	Check	Review	Approva
Jenny	Jack.C		

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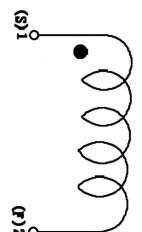
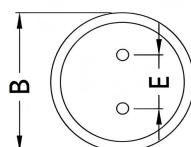
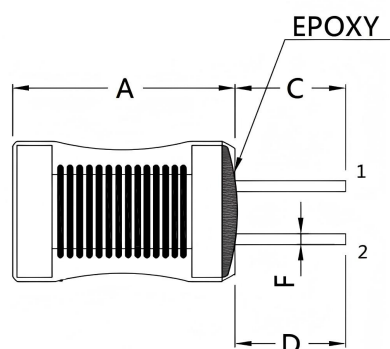
Revision Status

Version	Date	Revision Description	Prepared	Checked	Approved

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1. SHAPES AND DIMENGSIONS (UNIT:mm)

ELECTRICAL SCHEMATICS



SPEC.(mm)

A	8.5 MAX
B	5.5 MAX
C	16.0 ±2.0
D	16.0 ±2.0
E	2.0 ±0.5
F	0.5 ±0.1

URNS: $\Phi 0.07 \times 230.5T_s$ REF

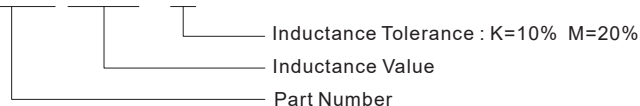
2. ELECTRICAL SPECIFICATION & TEST INSTRUMENTS@25°C

ITEM	SPEC. RANGE	TEST CONDITION	TEST INSTRUMENTS
L	1.0mH±10%	1KHz/0.25V	TH2828
Isat	0.15A Max , L Drop≤10%	1KHz/0.25V	TH1778A+TH2829A
DCR	15Ω Max	/	502BC

3. PART NUMBERING SYSTEM

ORDER INFORMATION

RNP18-PKS XXXX - XXX K



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4. TEST DATA OF ELECTRICAL CHARACTERISTIC

ELECTRICAL CHARACTERISTIC				DIMENSIONS(mm)							
TEST ITEM	L		DCR	A	B	C	D	E	F		
	1KHz/0.25V		/	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
CON.				8.5 MAX	5.5 MAX	16.0 ± 2.0	16.0 ± 2.0	2.0 ± 0.5	0.5 ± 0.1		
SPEC.	1.0mH±10%		15Ω Max								
1	1.01		10.11	7.52	4.71	16.28	16.28	1.99	0.49		
2	1.00		9.85	7.33	4.75	16.17	16.17	2.02	0.50		
3	0.99		10.04	7.50	4.69	16.96	16.96	2.05	0.50		
4	0.99		9.90	7.62	4.67	16.03	16.03	1.92	0.48		
5	1.00		10.02	7.57	4.76	16.10	16.10	2.10	0.49		
6											
7											
8											
9											
10											
X	1.00		9.98	7.51	4.72	16.31	16.31	2.02	0.49		
R	0.02		0.26	0.29	0.09	0.93	0.93	0.18	0.02		

综合判定:

COLLIGATION DETERMINANT:

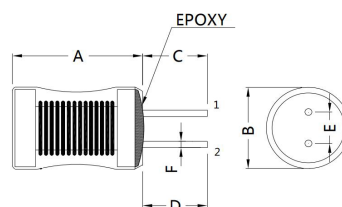


OK



NG

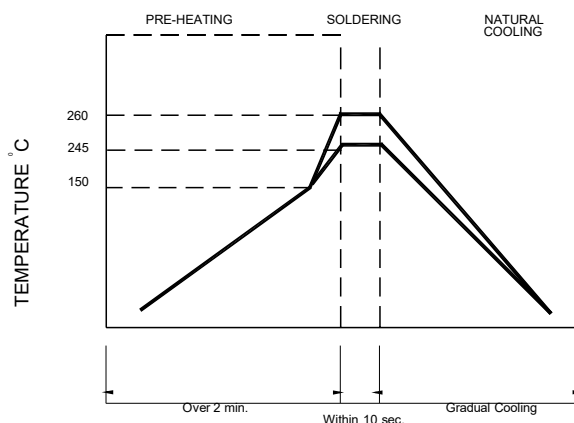
外观尺寸图



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5.Soldering Conditions

Wave Soldering:



Note :

- . Never contact the ceramic with theiron tip
- . 1.0mm tip diameter (max)

6.MATERIAL LIST

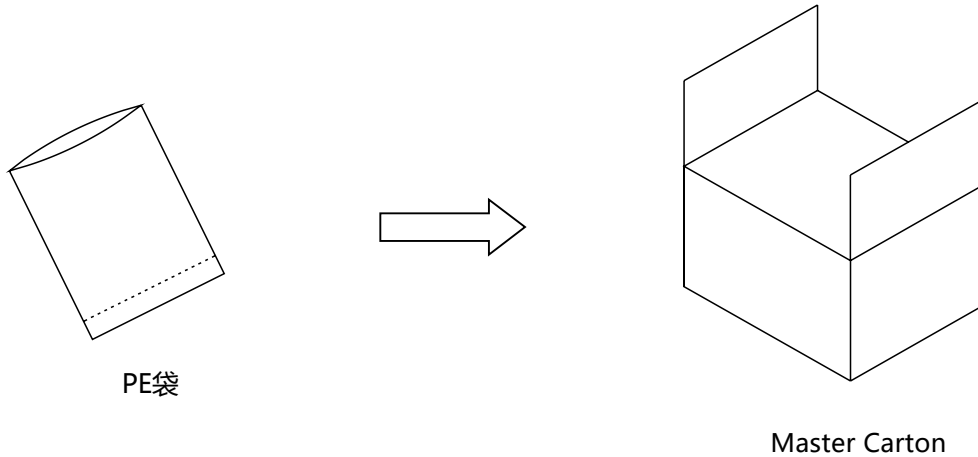
NO	ITEM	DESCRIPTION	SUPPLIER	RATING	UL File
1	CORE	DR2W 4×6.2	DC		
		OR EQUIVALENT			
2	WIRE	QA-1 Φ0.07mm	YD	155°C	E344055
		OR EQUIVALENT			
3	PIN	CP Φ0.50mm	BC		
4	EPOXY	BSA-7204H(Black)	FF		
5	VARNISH	DA-700-6	QD		

REMARK:

- 1.Operating temperature range from $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$. (Including self-heating)
2. Storage temperature range from $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$.

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7.PACKAGE SPECIFICATION



NO.	Packaging Materials	Reference Dimension	Quantity
1	PE袋	205×145(mm)	1000PCS/Bag
2	Master Carton	380×270×135(mm)	20000PCS/20Bag

备注：产品采用PE袋装,每袋装1000PCS,一箱装20袋,共计20000PCS.

8.REMARK

特记事项:

此物料不涉及汽车认证产品

Special note:

This material does not involve automotive certification products