

# SPECIFICATION FOR APPROVAL

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**JENG SHI ELECTRONICS CO., LTD**

**正 旭 電 子 有 限 公 司**



DATE: \_\_\_\_\_

CUSTOMER: \_\_\_\_\_

PART NUMBER: SMNR252010FWTL-SERIES

CUSTOMER P.N : \_\_\_\_\_

DESCRIPTION: \_\_\_\_\_

APPLICATION: \_\_\_\_\_

**SIGNATURE OF APPROVAL**

\_\_\_\_\_

ERP No

DATE:

CUSTOMER P/N:

REVISION:

A

ITEM:

SMNR252010FWTL-SERIES

SPEC No:

SA-S999-067

## REVISIONS

REV	DATE	DESCRIPTION	DRAWN	CHECKER
A		送样承认.	TanHao	Li Qunying

ERP No

CUSTOMER P/N:

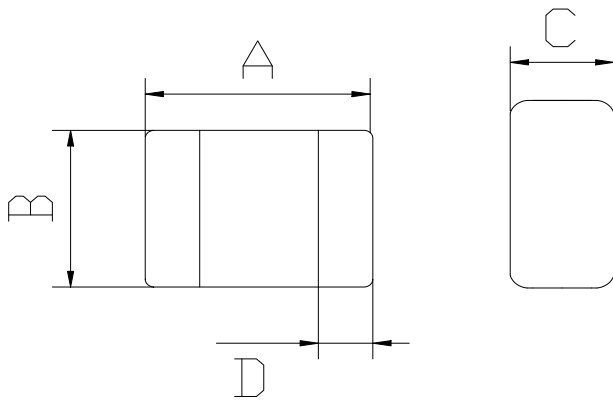
ITEM: **SMNR252010FWTL-SERIES**

DATE:

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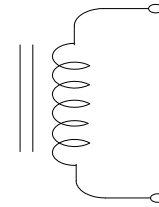
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**EXTERNAL DIMENSIONS UNIT: mm**

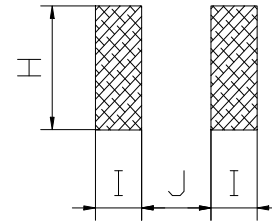


A	B	C	D
2.50±0.2	2.00±0.2	1.00Max	0.50±0.3

**ELECTRICAL SCHEMATIC**



**PAD LAYOUT UNIT: mm**



H	I	J
2.0	0.80	1.2

**NOTE:**

- Operating temperature: -40°C~+125°C
- Storage temperature: -40°C~+125°C
- Storage environment: temperature: 0°C~+40°C humidity: RH10%~70%
- Safe storage life: 12 months

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2022.05.12

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### ELECTRICAL CHARACTERISTICS(@ 25°C)

Part No.	Inductance	Test Freq (Hz)	DCR (mΩ)	Isat (A)	Irms (A)
	(uH)		(Typ)Max	Typ	Typ
SMNR252010FWTL-R24M	0.24±20%	1M/1V	(18.0)22.0	6.30	5.70
SMNR252010FWTL-R36M	.0.36±20%		(23.0)28.0	4.90	4.70
SMNR252010FWTL-R47M	0.47±20%		(28.0)34.0	4.50	4.40
SMNR252010FWTL-R68M	0.68±20%		(34.0)41.0	4.30	4.20
SMNR252010FWTL-R82M	0.82±20%		(40.0)48.0	4.00	3.80
SMNR252010FWTL-1R0M	1.00±20%		(52.0)62.0	3.70	3.40
SMNR252010FWTL-1R5M	1.50±20%		(82.0)98.0	2.90	2.60
SMNR252010FWTL-2R2M	2.20±20%		(105)126	2.30	2.20
SMNR252010FWTL-3R3M	3.30±20%		(130)156	2.10	2.00

- 1.Isat: Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Irms: Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C.
- 3.Rated DC current: The lower value of Irms and Isat.

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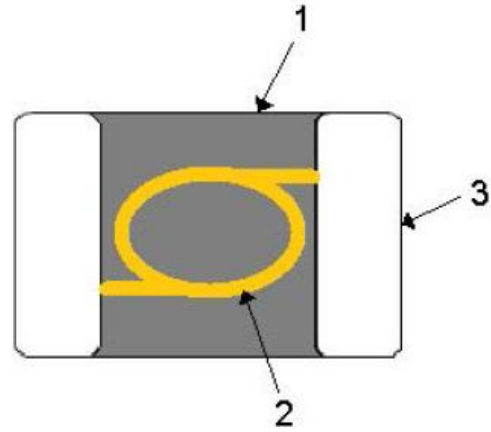
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SPEC No: SA-S999-067

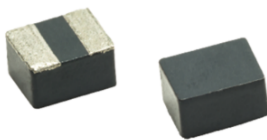
### Material List

No.	Description	Specification
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1	Alloy Body	Alloy Powder
2	Circuit-Copper	Copper Wire
3	Terminal	Silver paste



### Product photos



ERP No

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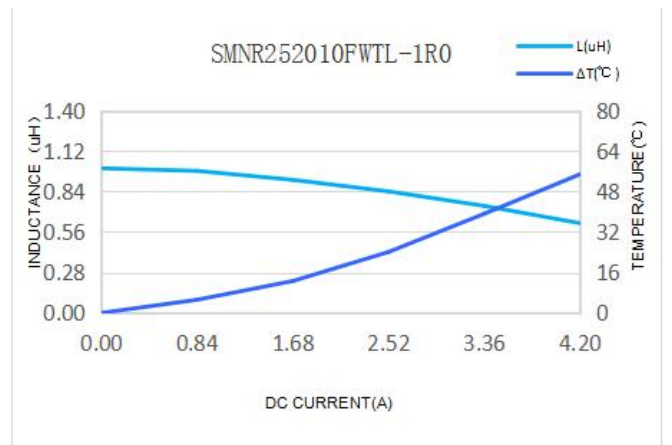
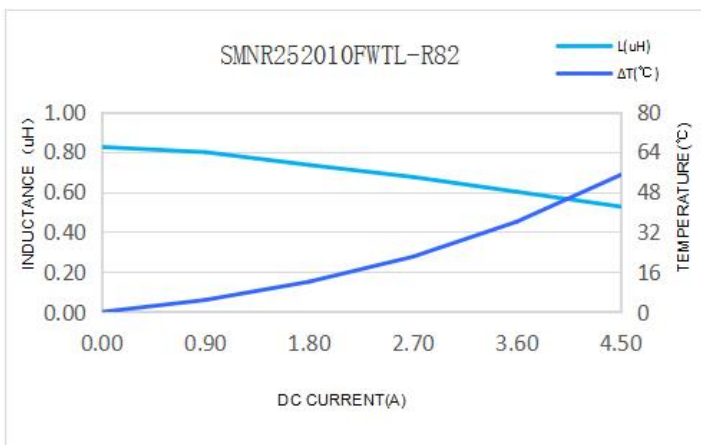
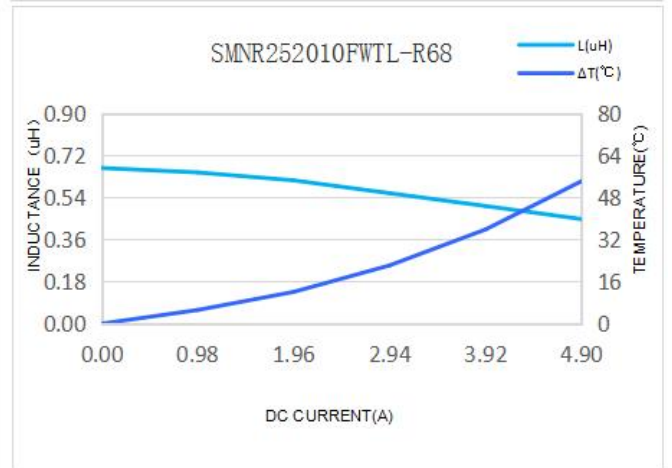
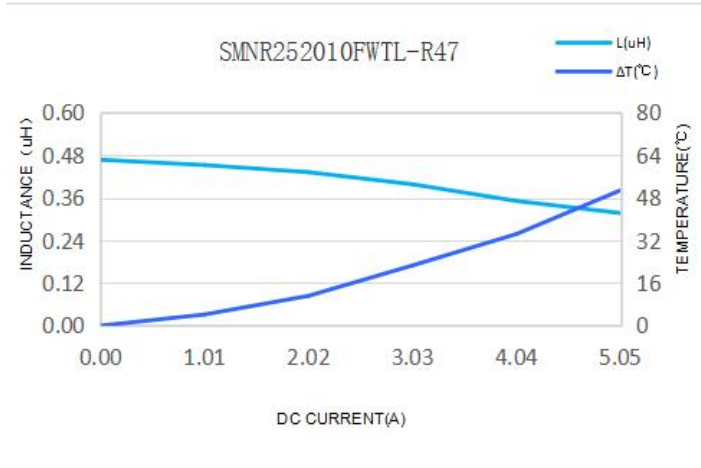
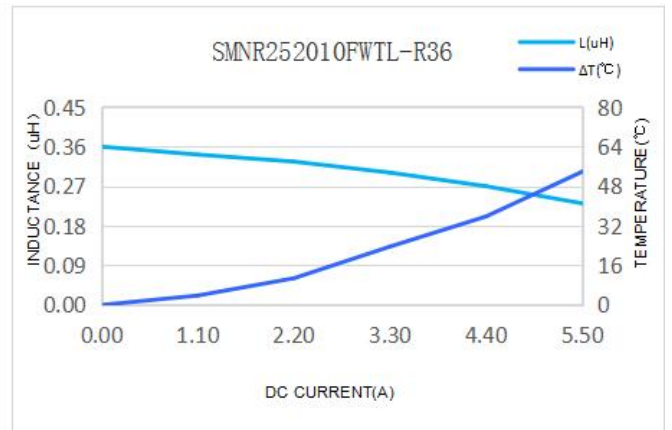
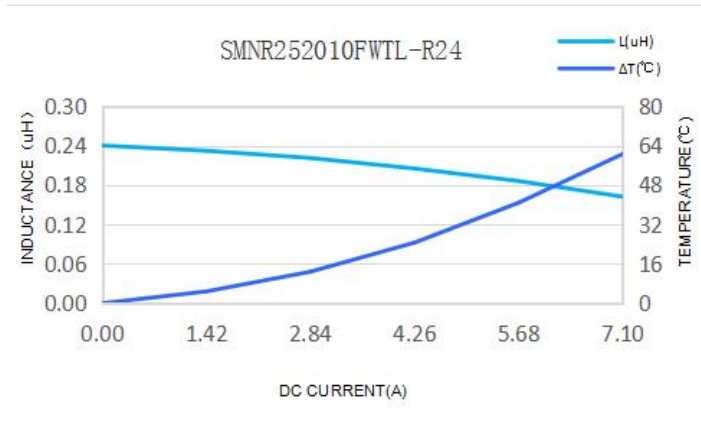
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**Curve**



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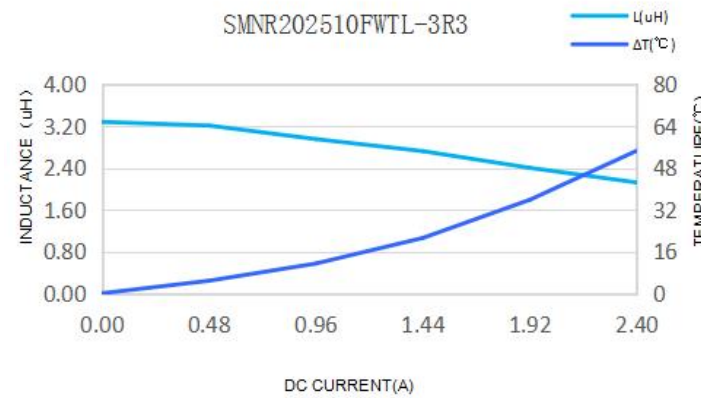
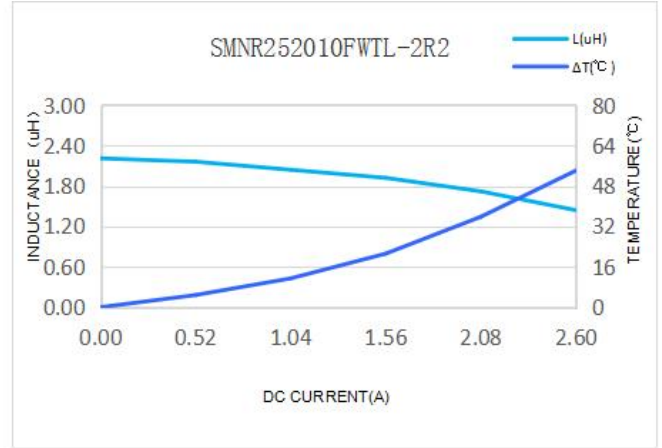
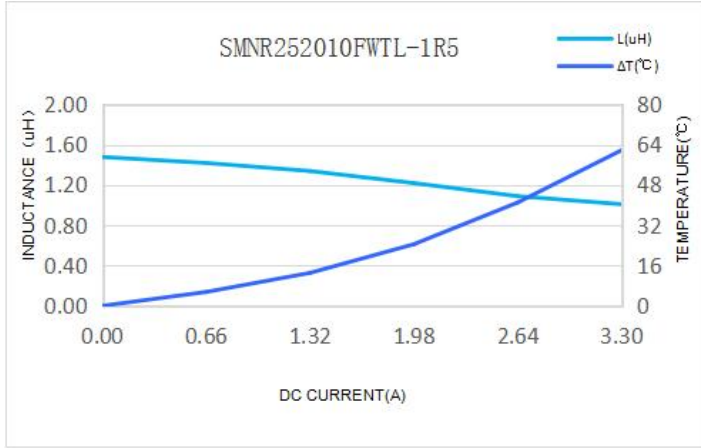
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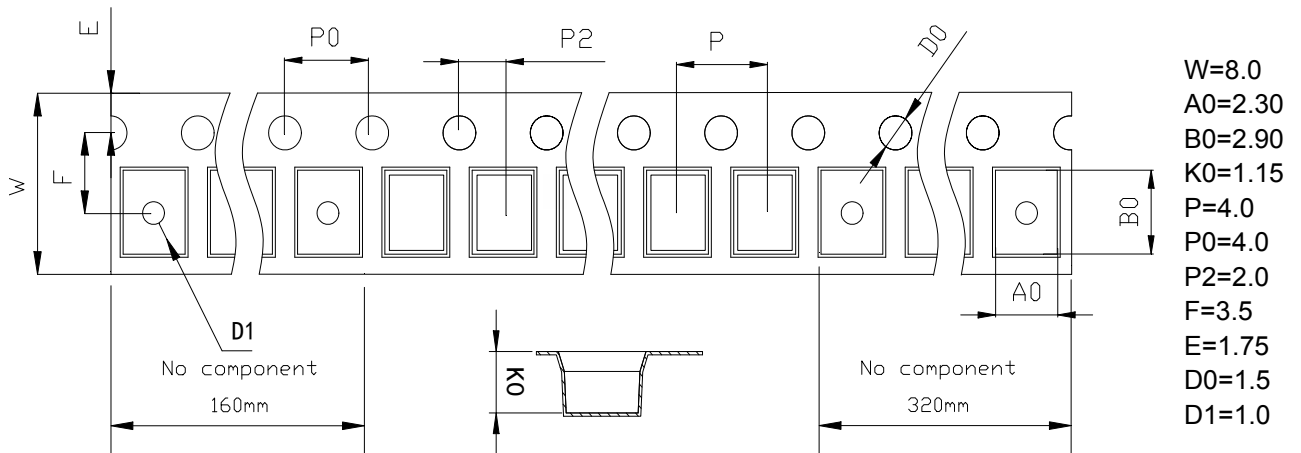
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SPEC No:

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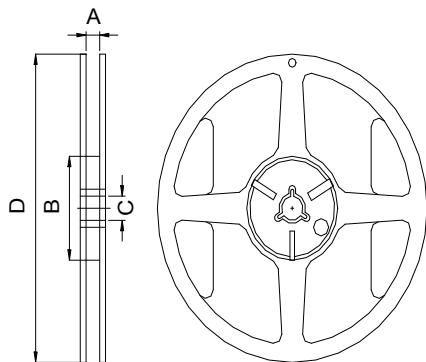
**Packing**

**Carrier Tape (Unit:mm)**



透明载带+透明上带

**Reel (Unit:mm)**



A=9.0  
 B=60  
 C=13.5  
 D=178

**QTY**

Reel(Pcs) 3,000

Middle Carton(Pcs)

Big Carton(Pcs)

N.W(Kg)

G.W(Kg)