

LEAD-FREE
& ROHS

SPECIFICATION FOR APPROVAL

www.jengshi.com

JENG SHI ELECTRONICS CO., LTD

正 旭 電 子 有 限 公 司



DATE: _____

CUSTOMER: _____

PART NUMBER: SMNR252012FWTL-SERIES

CUSTOMER P.N : _____

DESCRIPTION: _____

APPLICATION: _____

SIGNATURE OF APPROVAL

TEL: 03-365-3086 FAX:03-365-3186 桃園市八德區廣興一路86號

No. 86, Guangxing1st Rd., Bade Dist., TaoyuanCity 334026, Taiwan (R.O.C.)

ERP No

DATE:

CUSTOMER P/N:

REVISION:

A

ITEM:

SMNR252012FWTL-SERIES

SPEC No:

SA-S999-068

REVISIONS

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

ERP No

CUSTOMER P/N:

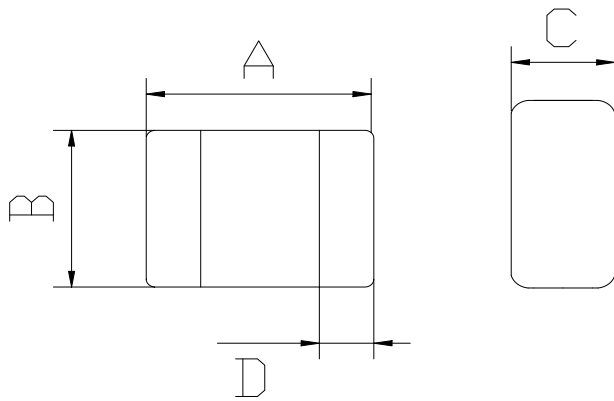
ITEM: **SMNR252012FWTL-SERIES**

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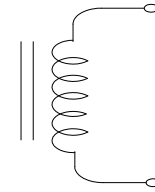
SPEC No: **SA-S999-068**

EXTERNAL DIMENSIONS UNIT: mm

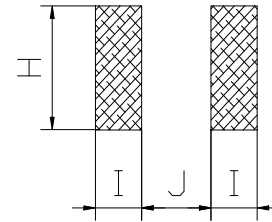


A	B	C	D
2.50±0.2	2.00±0.2	1.20Max	0.55±0.25

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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ELECTRICAL CHARACTERISTICS(@ 25°C)

Part No.	Inductance (uH)	Test Freq (Hz)	DCR (mΩ) (Typ)Max	Isat (A) (Typ)Max	Irms (A) (Typ)Max
SMNR252012FWTL-R24M	0.24±20%	1M/1V	(15.0)18.0	(7.50)6.50	(6.20)5.50
SMNR252012FWTL-R36M	.0.36±20%		(17.0)21.0	(6.10)5.60	(5.40)4.70
SMNR252012FWTL-R47M	0.47±20%		(21.0)25.0	(5.50)4.60	(5.00)4.40
SMNR252012FWTL-R56M	0.56±20%		(24.0)29.0	(5.00)4.50	(4.80)4.10
SMNR252012FWTL-R68M	0.68±20%		(28.0)34.0	(4.60)4.00	(4.50)3.90
SMNR252012FWTL-R82M	0.82±20%		(32.0)39.0	(4.30)3.80	(4.10)3.60
SMNR252012FWTL-1R0M	1.00±20%		(37.0)45.0	(4.00)3.60	(3.70)3.30
SMNR252012FWTL-1R5M	1.50±20%		(60.0)72.0	(3.30)2.90	(3.00)2.60
SMNR252012FWTL-2R2M	2.20±20%		(81.0)98.0	(2.60)2.30	(2.50)2.20
SMNR252012FWTL-3R3M	3.30±20%		(112)134	(2.30)2.10	(2.20)1.90
SMNR252012FWTL-4R7M	4.70±20%		(175)210	(1.80)1.60	(1.80)1.60

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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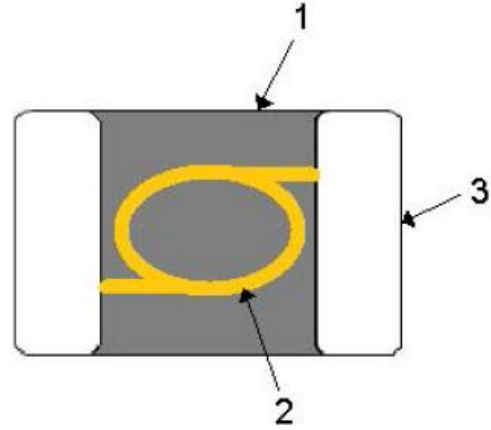
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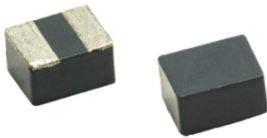
Material List

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



Product photos



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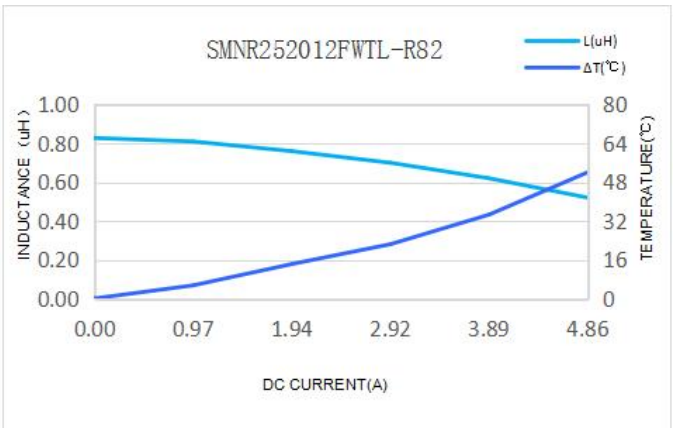
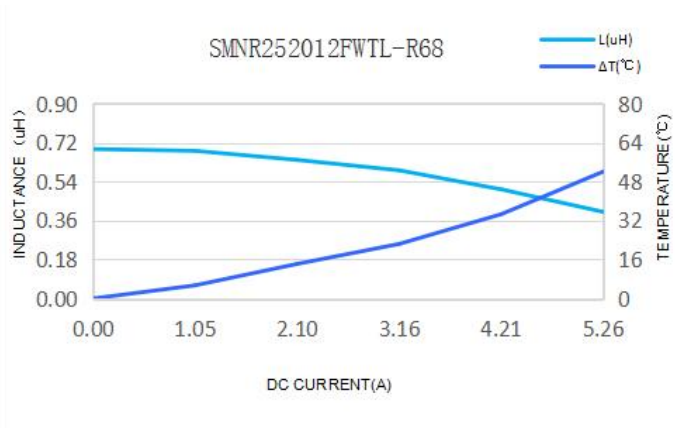
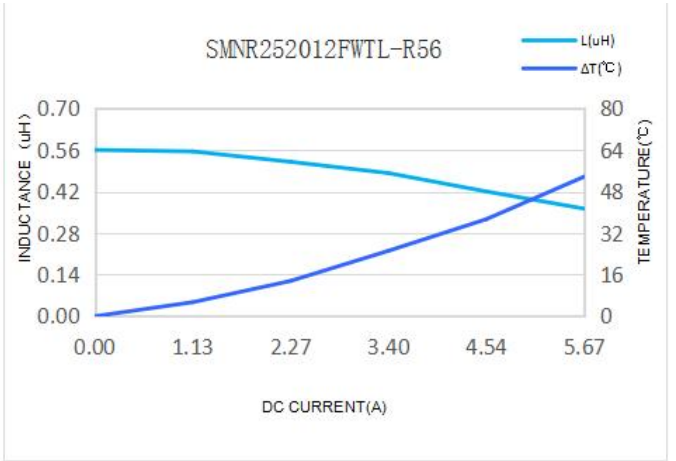
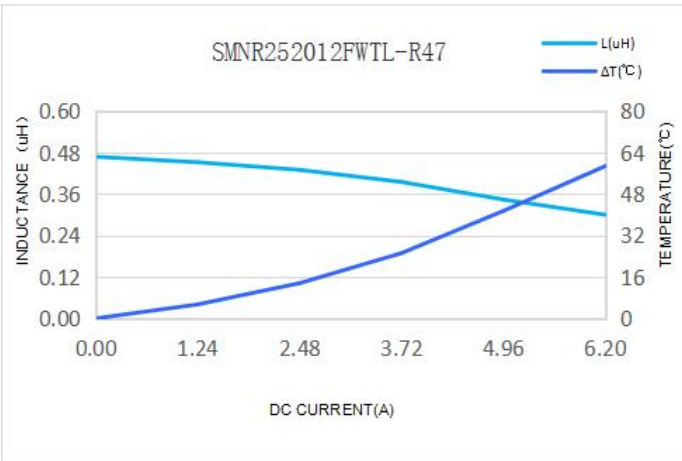
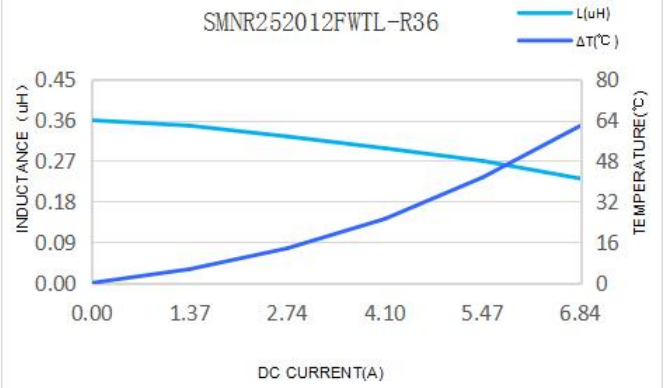
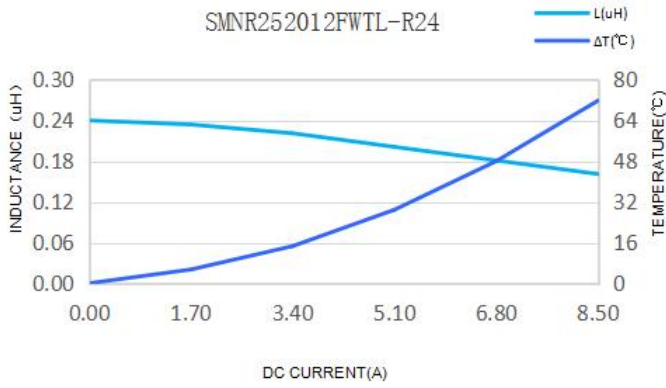
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Curve



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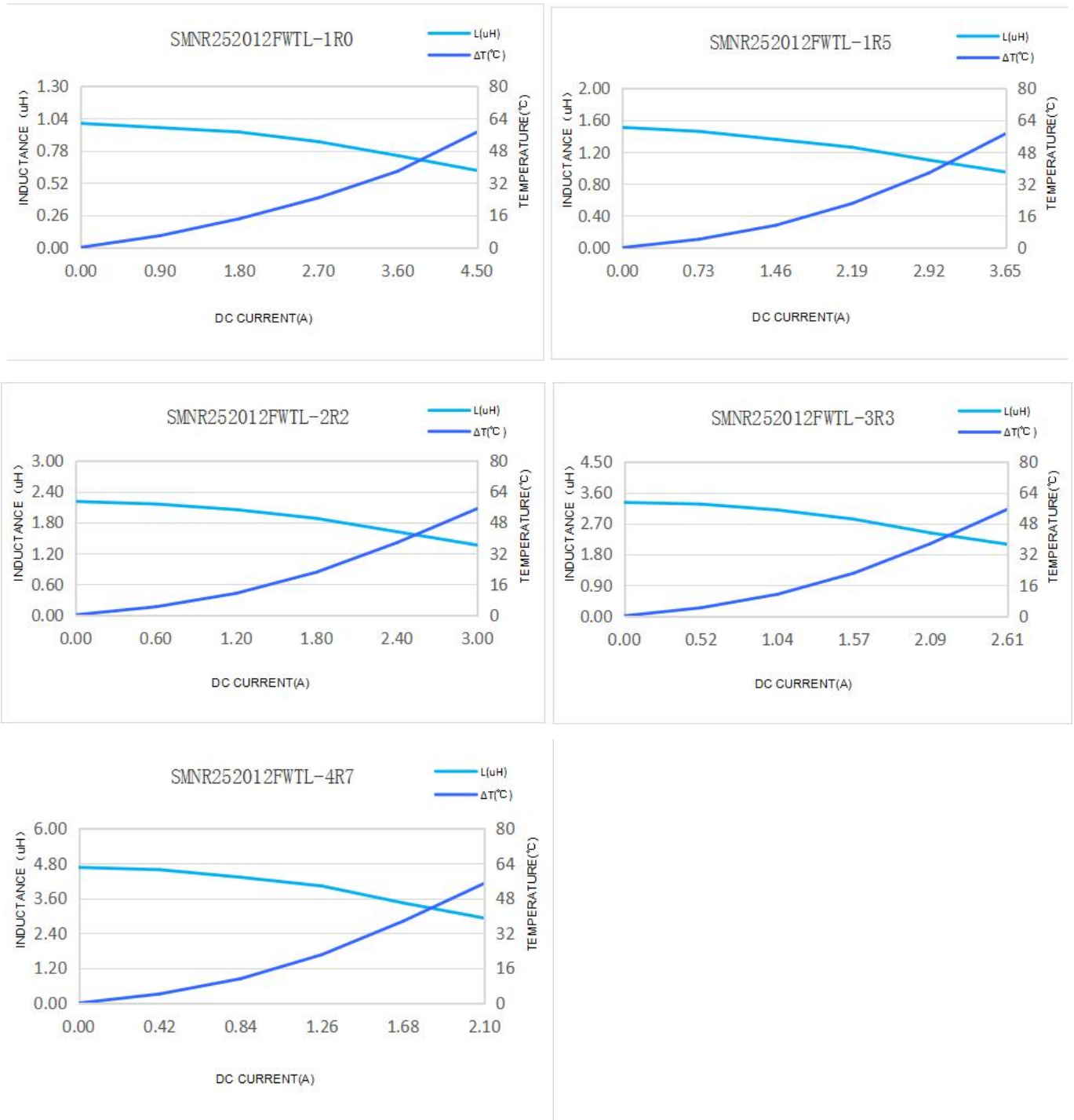
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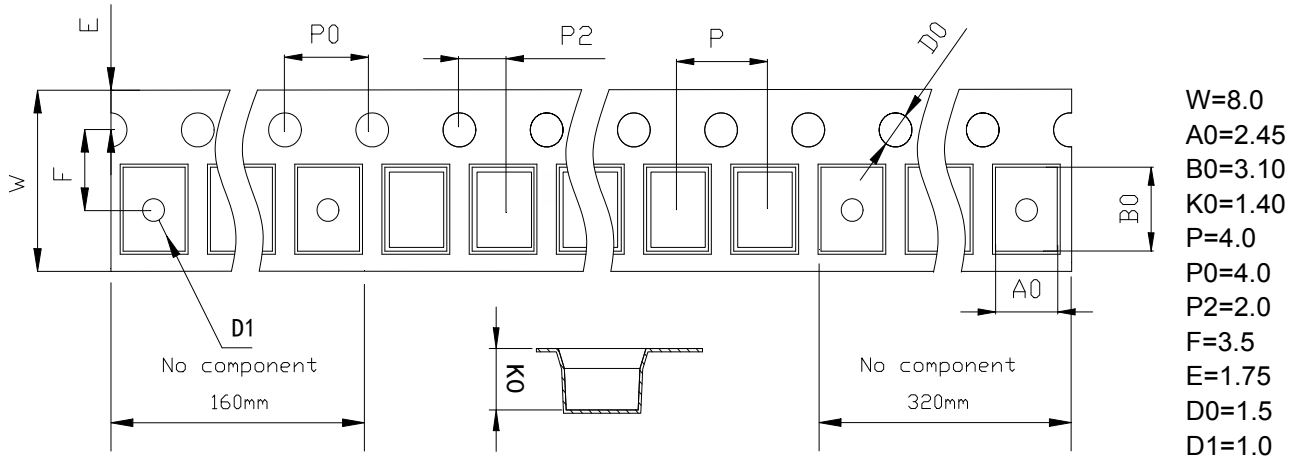
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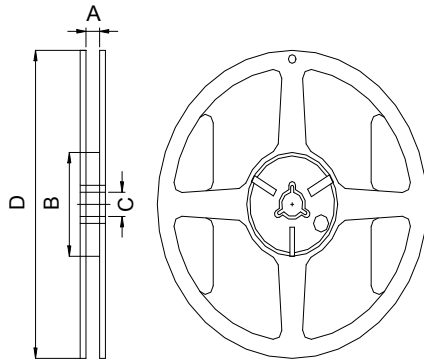
Packing

Carrier Tape (Unit:mm)



透明載帶+透明上帶

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)