

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: _____ 2144 _____

DESCRIPTION: _____ WIRE WOUND CHIP INDUCTOR _____

DDY PART NO: _____ WI1812PS系列 _____

CUSTOMER MODEL NO: _____

DRAWING		
MADE	CHECKED	APPROVED
譚晶晶	黃志偉	肖中華
DATE:	2023年9月19日	

CUSTOMER APPROVE



惠州市德立电子有限公司
HUI ZHOU DE LI ELECTRONICS CO., LTD

廣東省博羅縣洲際工業園梅園三路
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Http://ddycoils.com



惠州市德立电子有限公司

HUI ZHOU DE LI ELECTRONICS CO., LTD

CUSTOMER:	2254	REV NO:	A
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 1 OF 6
PART NO:	WII812PS系列	SN.	
CUSTOMER NO:		DATE:	2023年9月19日

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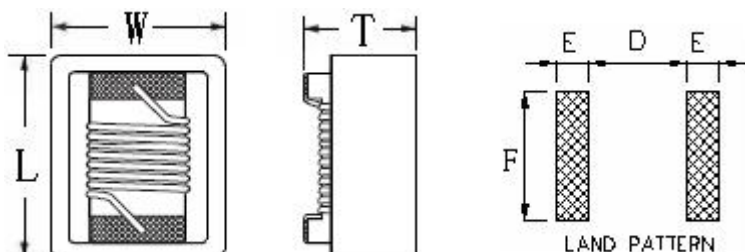
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CUSTOMER:	2254	REV NO:	A
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 3 OF 6
PART NO:	WI1812PS系列	SN.	
CUSTOMER NO:		DATE:	2023年9月19日

1.SHAPE & DIMENSION

UNIT:mm



CODE		L(MAX)	W(MAX)	T(MAX)	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	WI1812PS	5.87	4.98	4.20	1.14	3.05	3.00

3. PART NUMBERING SYSTEM

WI 1812 PS 4R7 M S T HF
1 2 3 4 5 6 7 8

- 1 PRODUCT SYMBOL (产品代号)
- 2 DIMENSIONS (规格尺寸)
- 3 MATERIAL (芯片类型)
- 4 INDUCTANCE (电感量)
- 5 TOLERANCE (公差) M±20%
- 6 TERMINAL (端电极材料): S-锡端头;
- 7 PACKAGING (包装方式): T-编带盘装; B-散装
- 8 E.P. (环保): LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

4.GENERAL SPECIFICATION

- a. Saturation DC current: Inductance drop approximately 30% of L0 at Isat.
- b. Operating temp.: -40°C~ +125°C
- c. Storage temp.: -10°C ~ +40°C R.H.: 65% Max
- d. Moisture sensitivity level (MSL) 2 (1 year floor life at <30°C/65% relative humidity)

APPROVED BY	CHECKED BY	DRAFT
肖中华	黄志伟	谭晶晶



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HUI ZHOU DE LI ELECTRONICS CO., LTD

CUSTOMER:	2254	REV NO:	A
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PART NO:	WI1812PS系列	SN.	
CUSTOMER NO:		DATE:	2023年9月19日

5. 1TEST DATA FOR SAMPLES

NO.	Part Number	L	Freq	Q	SRF	Rdc	Idc 15%
		(μ H)	(MHz)	Min	(MHz)Min	(Ω) Max	(A)max
1	WI1812PS2R2MST-HF	2.2	1	35	170	0.10	1.70
2	WI1812PS4R7MST-HF	4.7	1	35	140	0.11	1.15
3	WI1812PS100MST-HF	10	1	35	70	0.17	0.71
4	WI1812PS331MST-HF	330	1	18	6	5.50	0.15
5	WI1812PS471MST-HF	470	1	16	4	6.90	0.12
6	WI1812PS561MST-HF	560	1	40	3	6.10	0.11

产品公差：M±20%

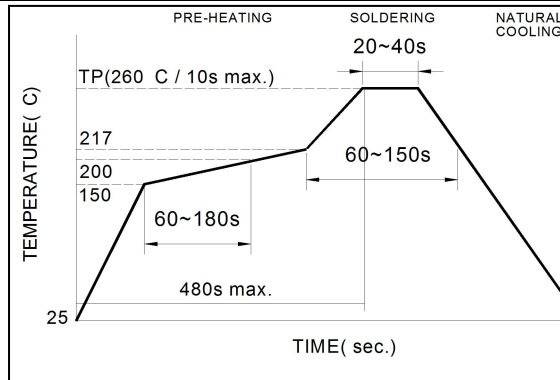
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DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 5 OF 6
PART NO:	WI1812PS系列	SN.	
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6. SOLDERING CONDITIONS

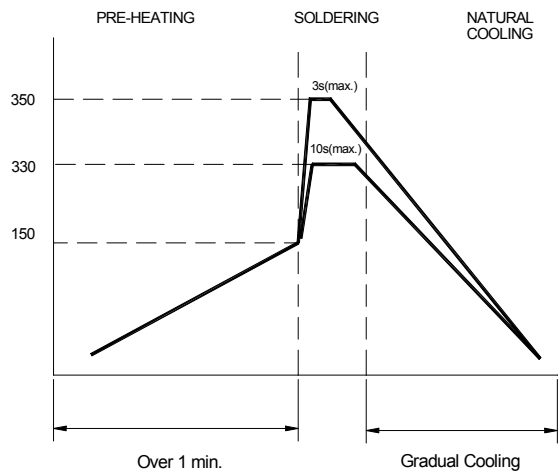
**Figure 1.
Re-flow
Soldering
(Lead Free)**



Note:

- Preheat circuit and products to 150°C
- 260°C tip temperature (max)
- Reflow times: no more than 2 times
- Solder paste thickness: the best 0.08mm is ,but max is 0.1mm

**Figure 2.
Hand
Soldering**



Note:

- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

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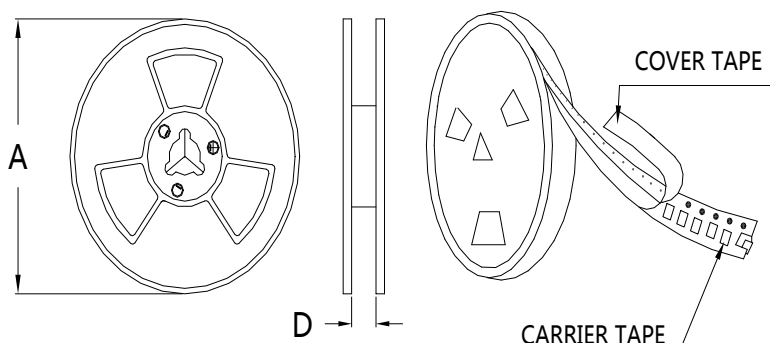


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PART NO:	WI1812PS系列	SN:	
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7. PACKAGING(unit: mm)

1.包装类型：编带装

2.包装尺寸： 13" 盘 7" 盘

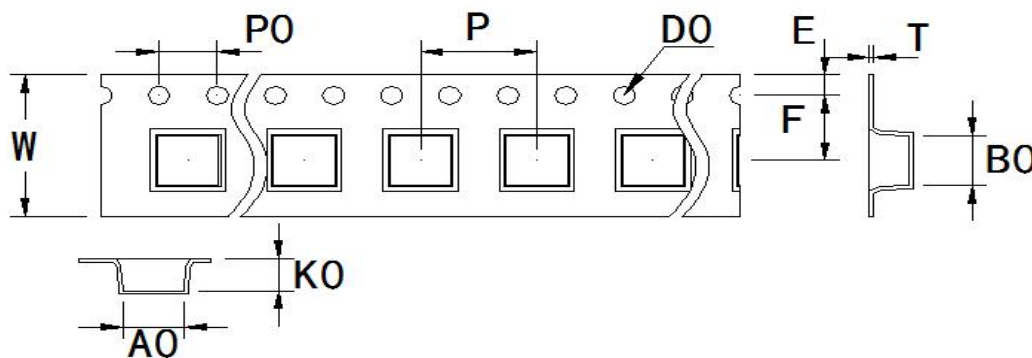
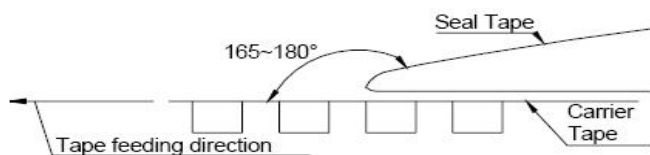


	13" 盘	7" 盘
A	Φ330±2.0	Φ178±2.0
D	12.5	

Peel-off strength:10~100gf.

Peel-off angle:165°-180°

Peel-off speed:300mm/min.



Item	W	A0	B0	KO	P	T	E	F	D0	P0		
DIM(mm)	12.0 ±0.3	5.2± 0.15	6.0± 0.15	4.0± 0.1	8.0± 0.1	0.35 ±0.1	1.75 ±0.1	5.5± 0.1	1.5± 0.1	4.0± 0.1		

3.包装数量: 1500 PCS / 卷

注意:

此物料不涉及汽车或相关产品方面的应用，否则，由此引起的一切品质和责任问题，我司将概不承担。

APPROVED BY	CHECKED BY	DRAFT
肖中华	黄志伟	谭晶晶

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