

# 承認書

## SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI0805LD-TIA系列

CUSTOMERMODELNO: \_\_\_\_\_

DRAWING		
MADE	CHECKED	APPROVE
谭晶晶	黄志伟	肖中华
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

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惠州市德立电子有限公司

HUI ZHOU DE LI ELECTRONICS CO., LTD

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DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 1 OF 6
PART NO:	WI0805LD-TIA系列	SN.	
CUSTOMER NO:		DATE:	2023年9月19日

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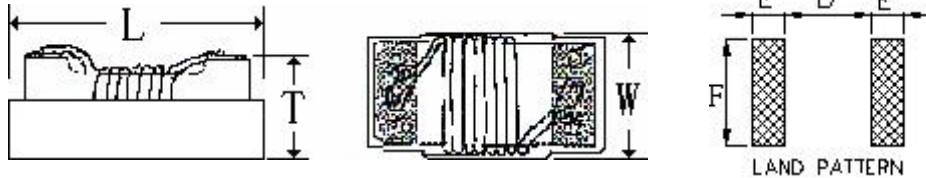
# 惠州市德立电子有限公司

## HUI ZHOU DE LI ELECTRONICS CO., LTD

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### 1.SHAPE & DIMENSION

UNIT:mm



CODE		L(MAX)	W(MAX)	T(MAX)	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	WI0805LD-TIA	2.40	1.73	1.52	1.02	1.78	0.76

### 3. PART NUMBERING SYSTEM

**WI 0805 LD 2R2 K 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) : J±5%; K±10%; 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. Rating DC current: Temperature rise( $\Delta T$ ) is 40°C approximately at Irms.
- b. Operating temp.: -40°C~ +85°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)

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**5. Electrical Characteristics List**

NO.	Part Number	L	Freq	Q	SRF	Rdc±30%	Isat	Irms
		(μH)	(MHz)	(Typ)	(MHz)TYP	(Ω)	(mA)Typ	(mA)Typ
1	WI0805LD1R0MST-TIA-HF	1	1	12	250	0.14	1100	1200
2	WI0805LD2R2MST-TIA-HF	2.2	1	12	100	0.18	750	900
3	WI0805LD4R7MST-TIA-HF	4.7	1	12	50	0.32	530	550
4	WI0805LD8R2MST-TIA-HF	8.1	1	12	35	0.5	430	460
5	WI0805LD100MST-TIA-HF	10	1	12	35	0.55	420	450

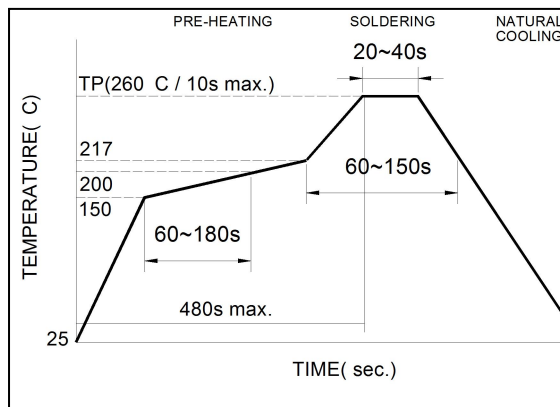
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### 6. SOLDERING CONDITIONS

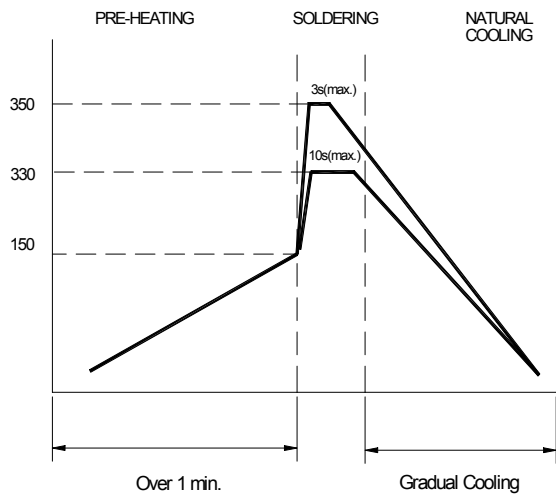
**Figure 1.  
Re-flow  
Soldering  
(Lead Free)**



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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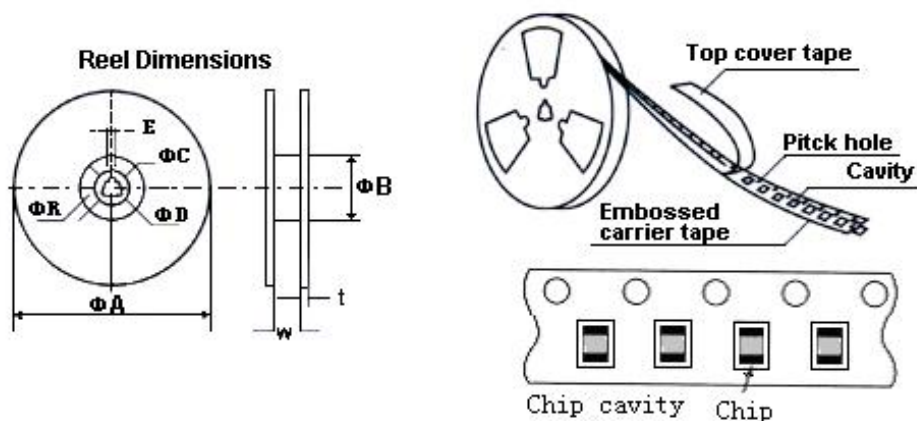


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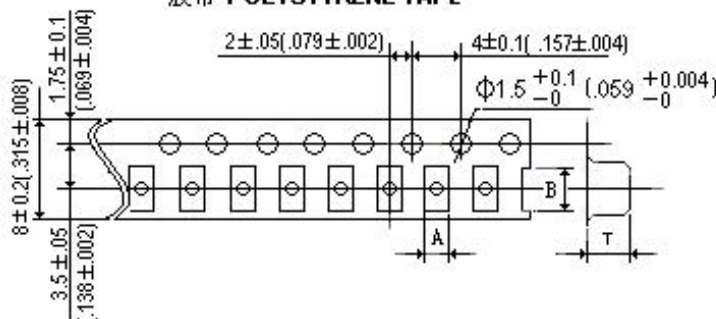
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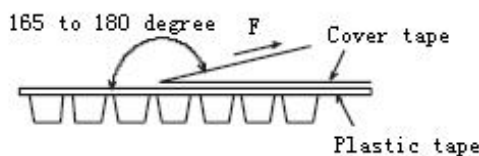
### 7. PACKAGING(unit: mm)



#### 胶带 POLYSTYRENE TAPE



Peeling off force  
 Pull strength  
 0402~1210:20g~80g  
 Speed of peeling off:  
 300mm/min $\pm 10\%$



胶带		A	B	T
	0805	1.85	2.4	1.45

Type	$\Phi A$	$\Phi B$	$\Phi C$	$\Phi D$	E	W	t
0805	178	60	13	21	2	8.4	2

包装数量(PACKAGING QUANTITY): 2000Pcs/盘

#### 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
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