

# 承認書

## SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI0805LD系列

CUSTOMER MODEL NO: \_\_\_\_\_

DRAWING		
MADE	CHECKED	APPROVED
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

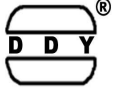
廣東省博羅縣洲際工業園梅園三路  
NO.3 MEI YUAN ROAD, ZHOU JI INDUSTRIAL AREA, BOLUO COUNTY GUANGDONG

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HUI ZHOU DE LI ELECTRONICS CO., LTD

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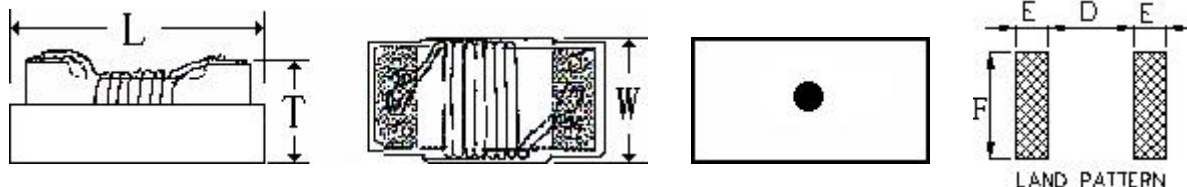
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## 1. SHAPE & DIMENSION

UNIT:mm



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

## 2. PART NUMBERING SYSTEM

**WI 0805 LD 220 K S T - C - HF**  
**1 2 3 4 5 6 7 8 9**

- PRODUCT SYMBOL (产品代号)
- DIMENSIONS (规格尺寸)
- MATERIAL (芯片类型)
- INDUCTANCE (电感量)
- TOLERANCE (公差) : J±5%; K±10%; M±20%
- TERMINAL (端电极材料) : S-锡端头
- PACKAGING (包装方式) : T-编带盘装; B-散装
- Color (颜色) : C-点色
- E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

## 3. GENERAL SPECIFICATION

- Rating DC current: Temperature rise( $\Delta T$ ) is 40°C approximately at Irms.
- Operating temp.: -40°C~+85°C
- Storage temp.: -10°C ~+40°C R.H.: 65% Max
- Moisture sensitivity level (MSL) 2 (1 year floor life at <30°C/65% relative humidity)

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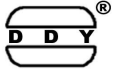
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## 4. Electrical Characteristics List

NO.	Part Number	L	Freq	Q	SRF	Rdc	Irms	产品公差	Color
		( $\mu$ H)	(MHz)	(Typ)	(MHz)Typ	( $\Omega$ )max	(mA)max		
1	WI0805LDR68□ST-C-HF	0.68	7.9	14	765	0.19	1200	K,M	灰
2	WI0805LD1R0□ST-HF	1	7.9	14	208	0.17	1100	K,M	/
3	WI0805LD1R2□ST-C-HF	1.2	7.9	14	208	0.17	960	K,M	红
4	WI0805LD1R5□ST-C-HF	1.5	7.9	14	130	0.22	880	K,M	棕
5	WI0805LD1R8□ST-C-HF	1.8	7.9	14	112	0.26	860	K,M	橙
6	WI0805LD2R2□ST-C-HF	2.2	7.9	12	80	0.31	740	K,M	红
7	WI0805LD3R3□ST-C-HF	3.3	7.9	12	50	0.36	620	K,M	橙
8	WI0805LD4R7□ST-C-HF	4.7	7.9	14	51	0.56	520	K,M	黄
9	WI0805LD5R6□ST-C-HF	5.6	7.9	12	42	0.65	480	K,M	蓝
10	WI0805LD6R8□ST-C-HF	6.8	7.9	14	35	0.88	420	K,M	绿
11	WI0805LD8R2□ST-C-HF	8.2	7.9	13	33	0.94	400	K,M	紫
12	WI0805LD100□ST-C-HF	10	2.5	14	25	1.17	300	J,K,M	蓝
13	WI0805LD120□ST-C-HF	12	2.5	14	30	1.50	290	J,K,M	灰
14	WI0805LD150□ST-C-HF	15	2.5	15	28	1.82	280	J,K,M	紫
15	WI0805LD180□ST-C-HF	18	2.5	15	27	2.01	260	J,K,M	白
16	WI0805LD220□ST-C-HF	22	2.5	15	20	2.29	240	J,K,M	灰
17	WI0805LD470□ST-C-HF	47	2.5	14	15	4.42	160	J,K,M	\
18	WI0805LD560□ST-C-HF	56	2.5	14	10	5.75	150	J,K,M	黄
19	WI0805LD680□ST-C-HF	68	2.5	14	10	5.90	140	J,K,M	棕
20	WI0805LD820□ST-C-HF	82	2.5	14	10	9.75	100	J,K,M	橙
21	WI0805LD101□ST-C-HF	100	1.0	10	5	9.75	100	J,K,M	红

产品公差: K $\pm$ 10%; M $\pm$ 20%

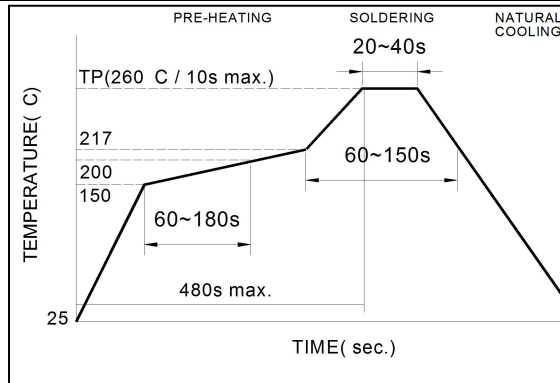
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**5. SOLDERING CONDITIONS**

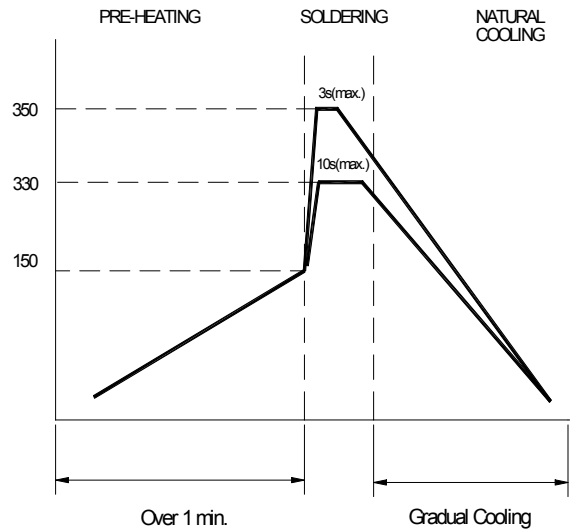
**Figure 1.  
Re-flow  
Soldering  
(Lead Free)**



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.

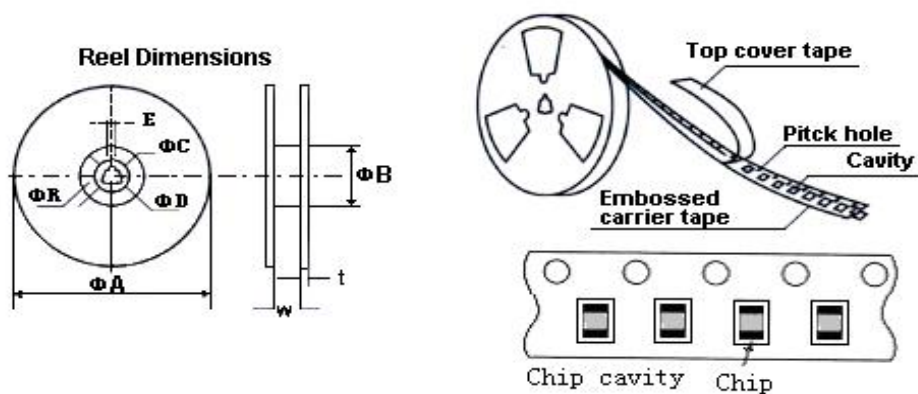
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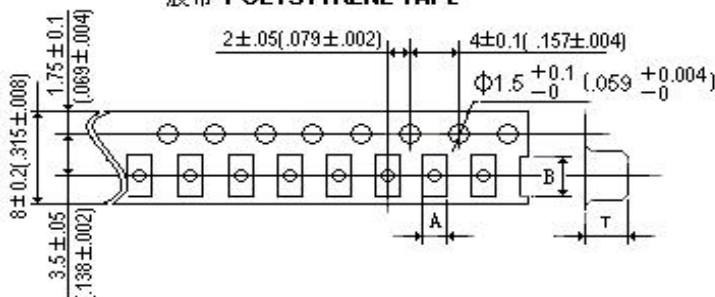
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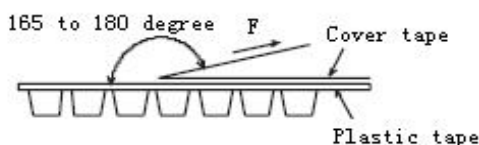
6. PACKAGING(unit: mm)



胶带 POLYSTYRENE TAPE



Peeling off force  
Pull strength  
0402~1210:20g~80g  
Speed of peeling off:  
300mm/min±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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