

# 承 認 書

## SPECIFICATION FOR APPROVAL

CUSTOMER: \_\_\_\_\_ 2144 \_\_\_\_\_

DESCRIPTION: \_\_\_\_\_ WIRE WOUND CHIP INDUCTOR \_\_\_\_\_

DDY PART NO: \_\_\_\_\_ WI0805QD系列 \_\_\_\_\_

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

DRAWING		
MADE	CHECKED	APPROVED
谭晶晶	黄志伟	肖中华
DATE:	2022年9月27日	

CUSTOMER APPROVE



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

广东省博罗县洲际工业园梅园三路  
NO.3 MEI YUAN ROAD,ZHOU JI INDUSTRIAL AREA,BOLUO COUNTY GUANGDONG

電話：15970768093 13640935893

傳真：0752-6207969

郵編：516100

Http://ddycoils.com



惠州市德立电子有限公司

HUI ZHOU DE LI ELECTRONICS CO., LTD

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PART NO:	WI0805QD系列	SN.	
CUSTOMER NO:		DATE:	2022年9月27日

## CATALOG

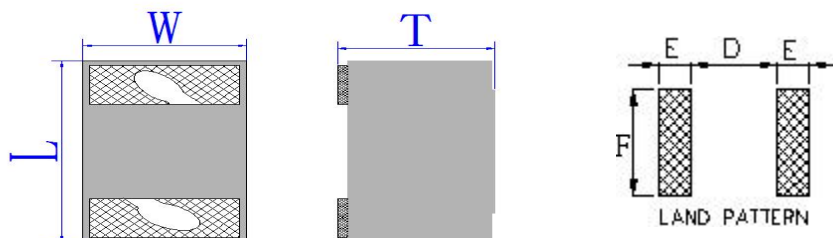
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### 1. SHAPE & DIMENSION



CODE		L(Max)	W(Max)	T(Max)	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	WI0805QD	2.40	1.73	1.52	1.02	1.78	0.76

### 2. PART NUMBERING SYSTEM

**WI 0805 QD 2R2 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) : 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

### 3. 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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## 4. Electrical Characteristics List

NO.	Part Number	L	Freq	Q	SRF	Rdc±30%	Isat Typ.	Irms Typ.
		(μH)	(MHz)	(Typ)	(MHz)Typ	(Ω)max	(mA)	(mA)
1	WI0805QD1R0MST-HF	1	1	10	550	0.12	1200	1000
2	WI0805QD1R5MST-HF	1.5	1	10	450	0.13	900	900
3	WI0805QD2R2MST-HF	2.2	1	10	400	0.18	780	750
4	WI0805QD4R7MST-HF	4.7	1	10	150	0.33	510	470
5	WI0805QD6R8MST-HF	6.8	1	10	50	0.35	470	450
6	WI0805QD100MST-HF	10	1	10	35	0.53	410	450
7	WI0805QD150MST-HF	15	1	10	25	0.65	270	350
8	WI0805QD220MST-HF	22	1	9	10	0.95	270	300

产品公差: K±10%; M±20%

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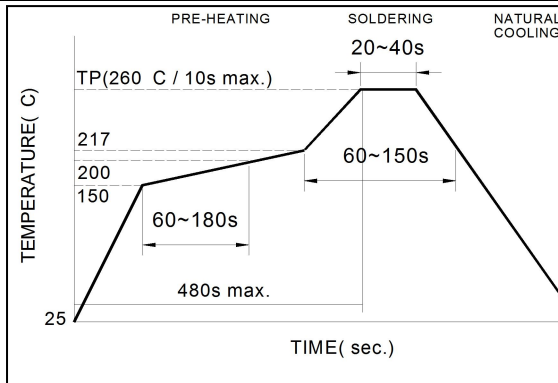


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**5. SOLDERING CONDITIONS**

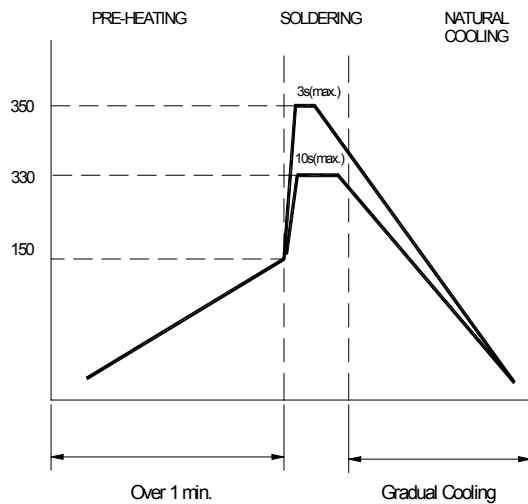
**Figure 1.  
Re-flow  
Soldering  
(Lead Free)**



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

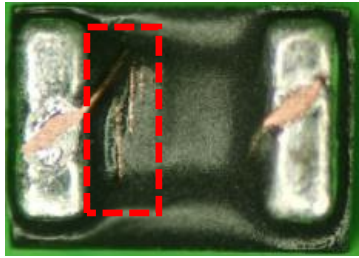
**Figure 2.  
Hand  
Soldering**



Note:

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

**6. APPEARANCE STANDARD**

Appearance Defect	Graphic	Judging Standard
Copper wire exposed		Area of copper wire exposed in magnetic shield area less than 0.06 square millimeter is OK.

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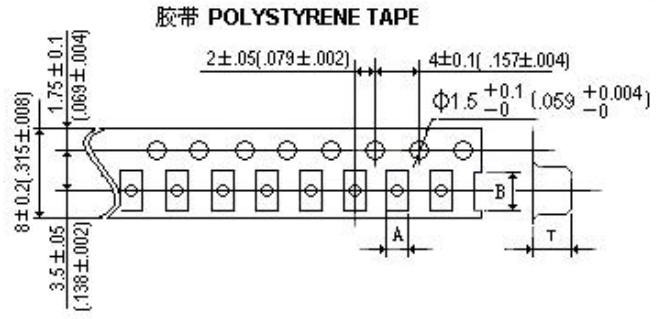
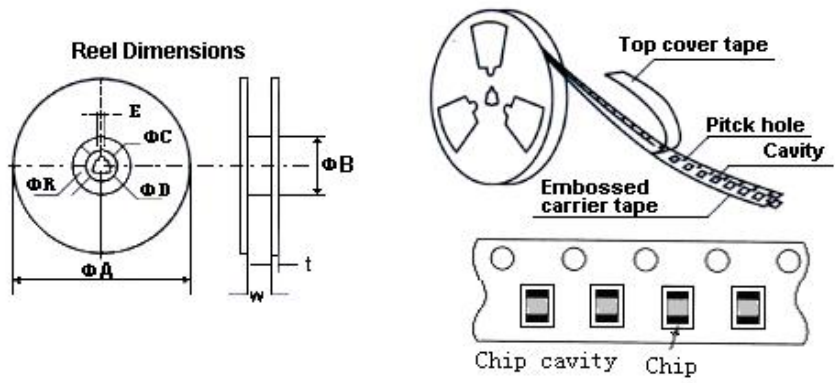


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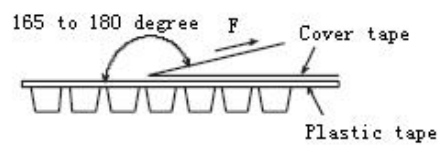
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7. PACKAGING(unit: mm)



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	ΦA	ΦB	ΦC	ΦD	E	W	t	R
0805	178	60	13	21	2	8.4	2	1

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。

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