

# 承認書

## SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

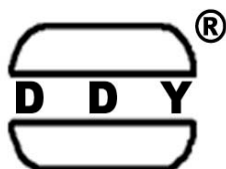
DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI0603LD-TIA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

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[Http://ddycoils.com](http://ddycoils.com)



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

CUSTOMER:		REV NO:	A
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 1 OF 6
PART NO:	WI0603LD-TIA系列	SN.	
CUSTOMER NO:		DATE:	2023年9月19日

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## 1. SHAPE & DIMENSION



CODE		L(MAX)	W(MAX)	T(MAX)	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	WI0603LD-TIA	1.80	1.25	1.20	0.64	1.02	0.64

## 2. PART NUMBERING SYSTEM

WI □□□□ □□ □R□ □ □ □ — □□  
 1 2 3 4 5 6 7 8

- PRODUCT SYMBOL (产品代号)
- DIMENSIONS (规格尺寸)
- MATERIAL (芯片类型)
- INDUCTANCE (电感量)
- TOLERANCE (公差): 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
- E.P. (环保): LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

## 3. GENERAL SPECIFICATION

- Rating DC current: Temperature rise( 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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4. Electrical Characteristics List

NO.	Part Number	L	Q	SRF	Rdc±30%	Irms	Isat	
		(μH)	(Typ)	(MHz)Typ	(Ω)	(mA)Typ	(mA)Typ	
1	WI0603LD1R0MST-TIA-HF	1@1MHZ	10@1MHZ	350.00	0.14	900	800	
2	WI0603LD2R2MST-TIA-HF	2.2@1MHZ	10@1MHZ	90.00	0.30	600	580	
3	WI0603LD4R7MST-TIA-HF	4.7@1MHZ	10@1MHZ	57.00	0.46	500	450	
4	WI0603LD6R8MST-TIA-HF	6.8@1MHZ	9@1MHZ	25.00	0.67	500	410	
5	WI0603LD100MST-TIA-HF	10@1MHZ	9@1MHZ	25.00	1.00	380	270	
6	WI0603LD150MST-TIA-HF	15@1MHZ	9@1MHZ	25.00	1.42	350	220	
7	WI0603LD220MST-TIA-HF	22@1MHZ	8@1MHZ	20.00	2.46	270	180	

产品公差: M±20%

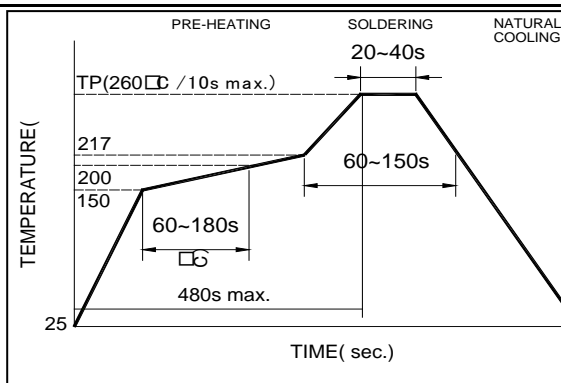
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### 5. SOLDERING CONDITIONS

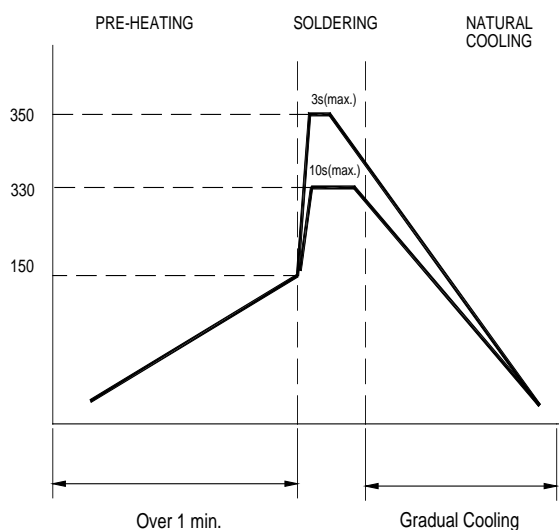
**Figure 1.  
Re-flow  
Soldering  
(Lead Free)**



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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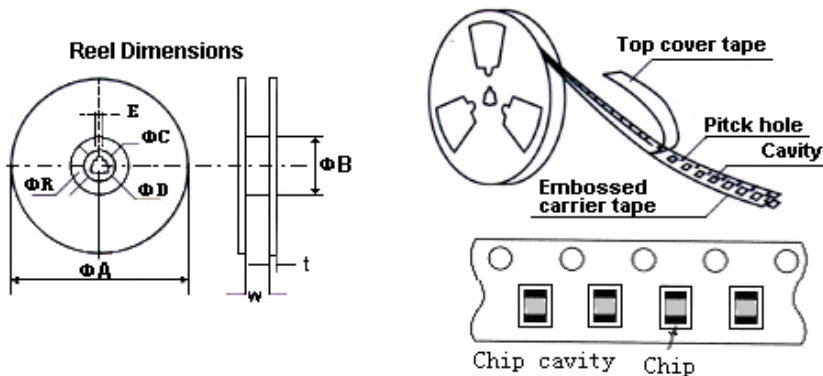


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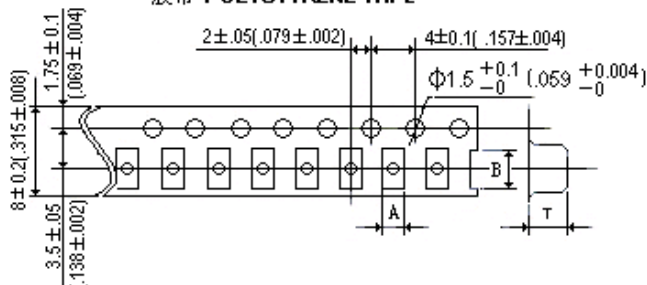
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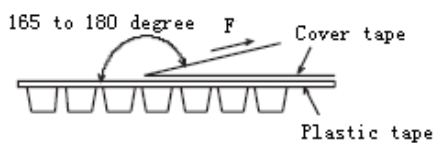
6. PACKAGING(unit: mm)



胶带 POLYSTYRENE TAPE



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



	A	B	T
	Typ	Typ	Typ
胶带	1.15	1.83	0.95

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

包装数量 (PACKAGING QUANTITY): 4000Pcs/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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