

# 承認書

## SPECIFICATION FOR APPROVAL

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

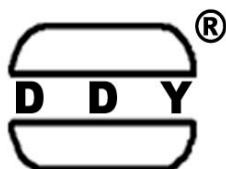
DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI0603AQD系列

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

DRAWING		
MADE	CHECKED	APPROVED
譚晶晶	黃志偉	肖中華
DATE:	2024年6月4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:	WI0603AQD系列	SN:	
CUSTOMER NO:		DATE:	2024年6月4日

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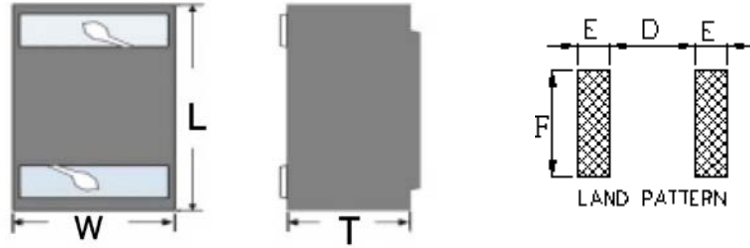


# 惠州市德立电子有限公司

## HUI ZHOU DE LI ELECTRONICS CO., LTD

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PART NO:	WI0603AQD系列	SN:	
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### 1. SHAPE & DIMENSION



CODE	L(MAX)	W(MAX)	T(MAX)	E(Typ.)	F(Typ.)	D(Typ.)	
DIMENSION	WI0603AQD	1.80	1.25	1.10	0.64Typ.	1.02Typ.	0.64Typ

### 2. PART NUMBERING SYSTEM

**WI 0603 AQD 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) : 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( T) is 40°C approximately at Irms.
- b. Operating temp.: -40°C~ +85°C(Including self-generated heat).
- 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	Isat	Irms	Irms
		(μH)	(MHz)	(Typ)	(MHz)Typ	(Ω)	(mA)Max	(mA)Typ.	(mA)Max	(mA)Typ.
1	WI0603AQD1ROMST-HF	1	1	18	150	0.19	1500	1800	900	1100
2	WI0603AQD2R2MST-HF	2.2	1	18	90	0.38	1050	1300	580	630
3	WI0603AQD4R7MST-HF	4.7	1	18	50	0.73	650	750	400	430
4	WI0603AQD6R8MST-HF	6.8	1	18	30	0.88	600	700	320	350
5	WI0603AQD100MST-HF	10	1	18	30	1.4	450	550	280	300

产品公差: M±20%

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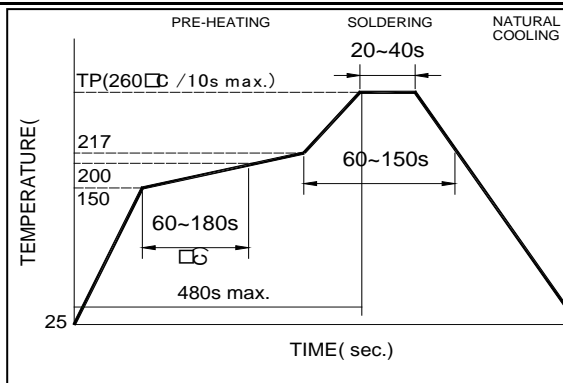


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**5. SOLDERING CONDITIONS**

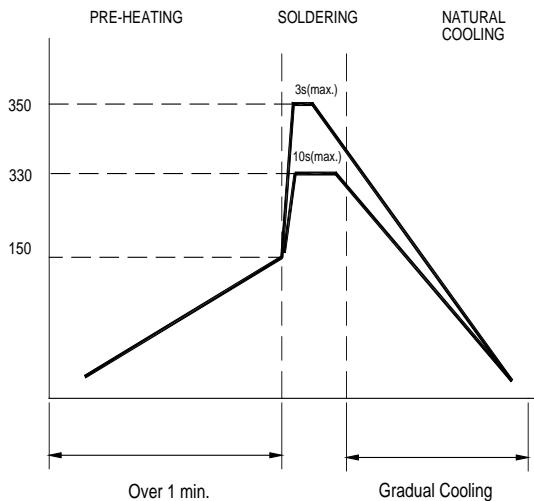
**Figure 1.  
Re-flow  
Soldering  
(Lead Free)**



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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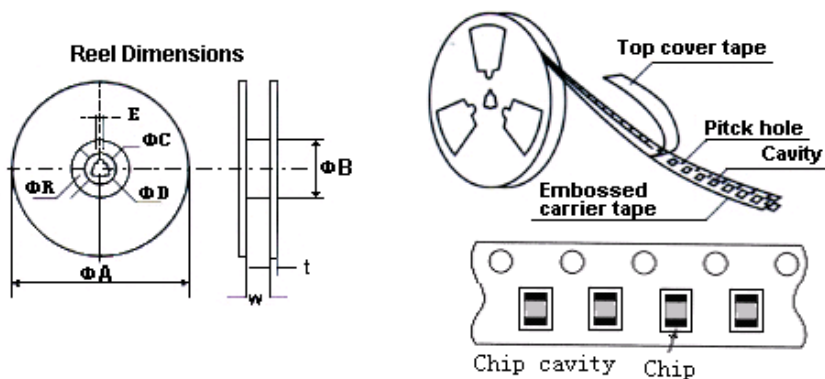


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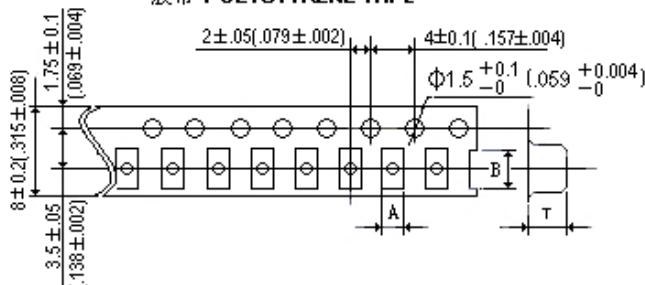
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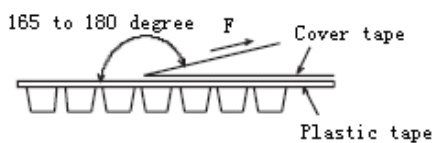
### 7. PACKAGING(unit: mm)



#### 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
肖中华	黄志伟	谭晶晶

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