

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI0603QD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

廣東省博羅縣洲際工業園梅園三路
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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:	WI0603QD系列	SN.	
CUSTOMER NO:		DATE:	2023年9月19日

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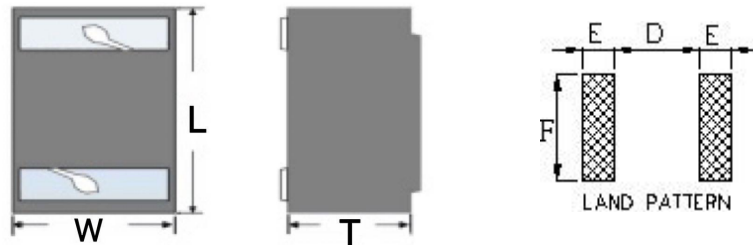


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1. SHAPE & DIMENSION



CODE		L	W	T	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	WI0603QD	1.80	1.25	1.20	0.64Typ.	1.02Typ.	0.64Typ.

2. PART NUMBERING SYSTEM

WI 0603 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) : 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(ΔT) 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	Irms
		(μH)	(MHz)	(Typ)	(MHz)Typ	(Ω)max	(mA)Typ	(mA)Typ
1	WI0603QD1R0MST-HF	1	1	10	350	0.21	1100	720
2	WI0603QD1R5MST-HF	1.5	1	10	300	0.39	650	520
3	WI0603QD2R2MST-HF	2.2	1	10	250	0.46	680	480
4	WI0603QD4R7MST-HF	4.7	1	10	100	0.7	450	400
5	WI0603QD6R8MST-HF	6.8	1	9	50	1.25	360	300
6	WI0603QD100MST-HF	10	1	9	25	1.5	270	380
7	WI0603QD150MST-HF	15	1	9	25	2	270	230
8	WI0603QD220MST-HF	22	1	9	10	3.9	220	160

产品公差: M±20%

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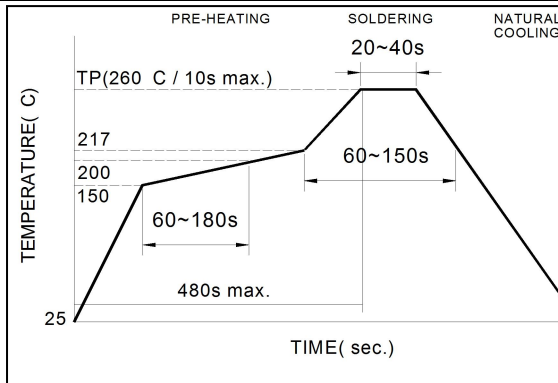


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5. SOLDERING CONDITIONS

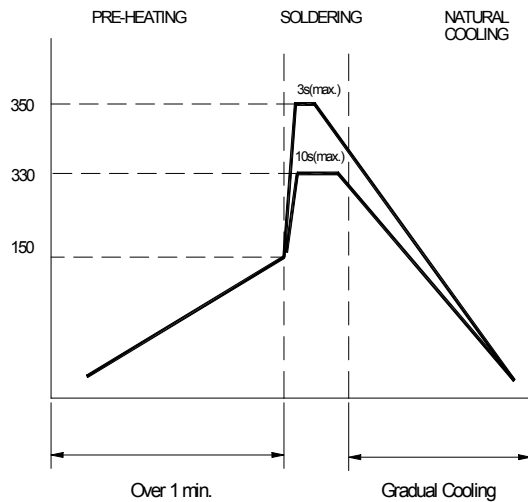
**Figure 1.
Re-flow
Soldering
(Lead Free)**



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

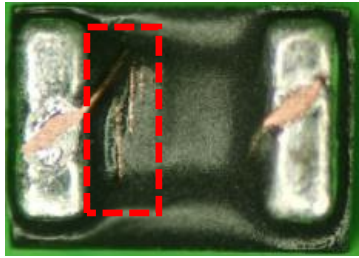
**Figure 2.
Hand
Soldering**



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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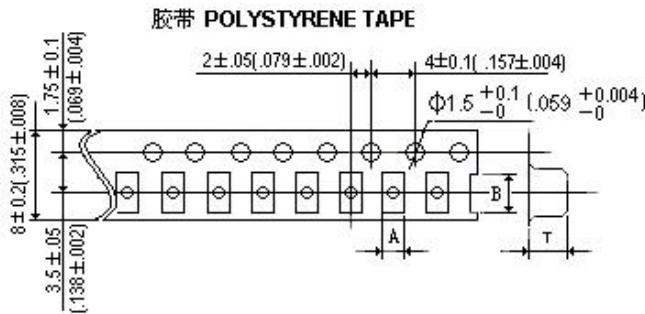
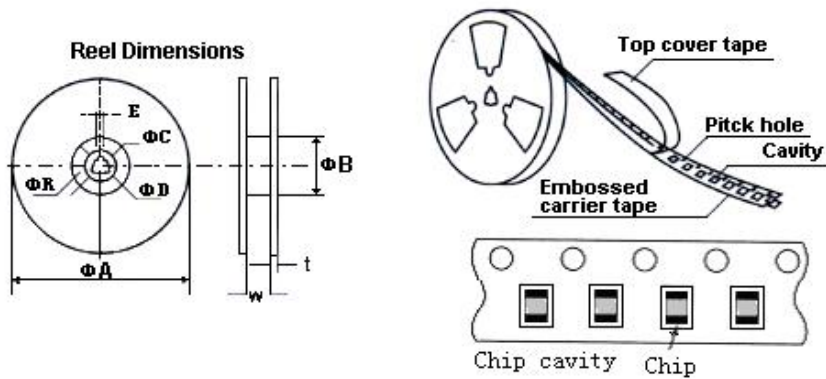


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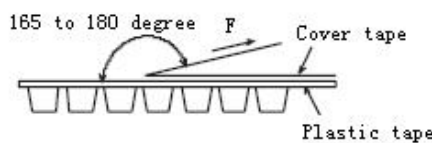
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7. PACKAGING(unit: mm)



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



	A	B	T
	Typ	Typ	Typ
胶带	1.15	1.83	0.95

ΦA	ΦB	ΦC	ΦD	E	W	t	
Typ	Typ	Typ	Typ	Typ	Typ	Ty	
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。

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