

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

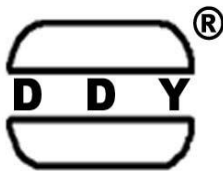
DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI0603LD-C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

電話：15970768093 13640935893

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郵編：516100

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-C系列	SN.	
CUSTOMER NO:		DATE:	2023年9月19日

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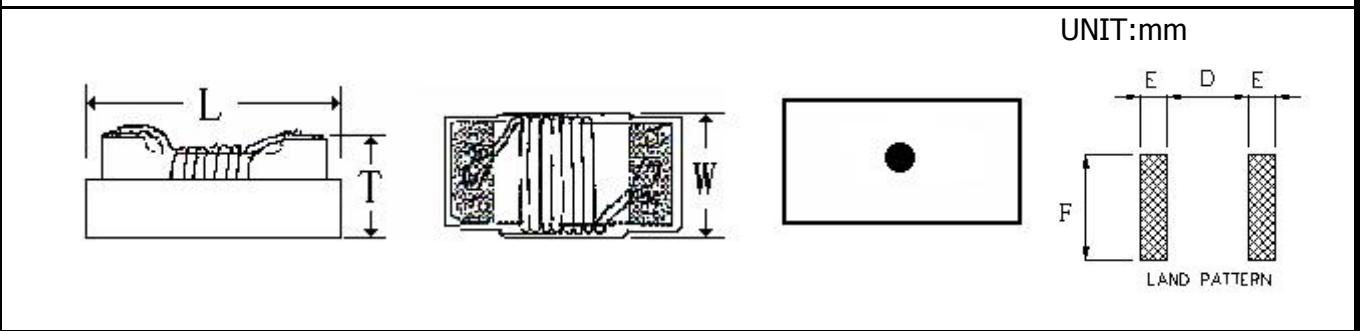


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1. SHAPE & DIMENSION



CODE		L(MAX)	W(MAX)	T(MAX)	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	WI0603LD	1.80	1.25	1.10	0.64	1.02	0.64

2. PART NUMBERING SYSTEM

WI	0603	LD	1R0	K	S	T	-	C	-	HF
1	2	3	4	5	6	7		8		9

- 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) : J±5%; 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 Color (颜色) : C-点色
- 9 E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

- 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)

APPROVED BY	CHECKED BY	DRAFT
肖中华	黄志伟	谭晶晶



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4. Electrical Characteristics List

NO.	Part Number	L	Freq	Q	SRF	Rdc	Irms	产品公差	Color
		(μ H)	(MHz)	(Typ)	(MHz))Typ	(Ω))max	(mA))Typ		
1	WI0603LD1R0□ST-HF	1	7.9	16	250	0.41	700	K,M	\
2	WI0603LD1R5□ST-C-HF	1.5	7.9	16	160	0.52	600	K,M	Brown
3	WI0603LD1R8□ST-C-HF	1.8	7.9	16	121	0.56	580	K,M	Red
4	WI0603LD2R2□ST-C-HF	2.2	7.9	16	103	0.72	580	K,M	Orange
5	WI0603LD2R7□ST-C-HF	2.7	7.9	16	72	0.81	500	K,M	Yellow
6	WI0603LD3R3□ST-C-HF	3.3	7.9	16	66	0.91	500	K,M	Green
7	WI0603LD3R9□ST-C-HF	3.9	7.9	16	61	1.08	460	K,M	Blue
8	WI0603LD4R7□ST-C-HF	4.7	7.9	16	51	0.97	420	K,M	Violet
9	WI0603LD5R6□ST-C-HF	5.6	7.9	16	47	1.43	380	K,M	Gray
10	WI0603LD6R8□ST-C-HF	6.8	7.9	16	43	1.95	340	K,M	White
11	WI0603LD8R2□ST-HF	8.2	7.9	16	40	2.18	300	K,M	\
12	WI0603LD100□ST-C-HF	10	2.5	14	36	2.40	280	J,K,M	Brown
13	WI0603LD120□ST-C-HF	12	2.5	14	32	2.96	260	J,K,M	Red
14	WI0603LD150□ST-C-HF	15	2.5	14	29	3.38	220	J,K,M	Orange
15	WI0603LD180□ST-C-HF	18	2.5	14	28	3.77	220	J,K,M	Yellow
16	WI0603LD220□ST-C-HF	22	2.5	14	24	4.69	200	J,K,M	Green
17	WI0603LD270□ST-C-HF	27	2.5	14	20	6.76	140	J,K,M	Blue
18	WI0603LD330□ST-C-HF	33	2.5	14	15	8.58	120	J,K,M	Violet
19	WI0603LD470□ST-HF	47	2.5	14	5	12.00	100	J,K,M	\

产品公差: K \pm 10%; M \pm 20%

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肖中华	黄志伟	谭晶晶

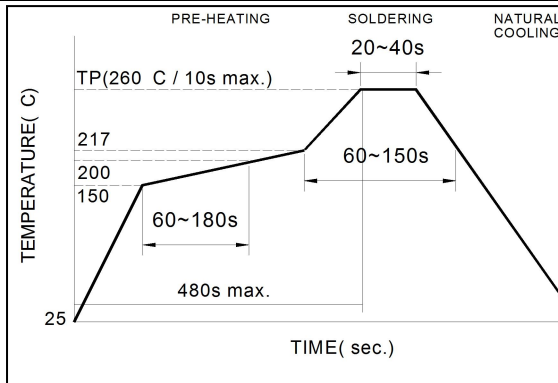


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5. SOLDERING CONDITIONS

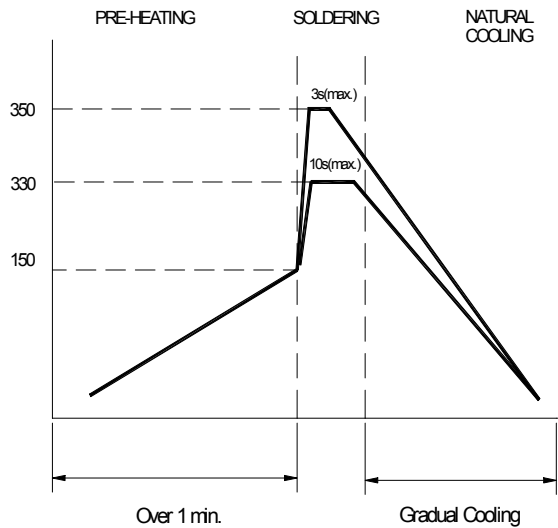
**Figure 1.
Re-flow
Soldering
(Lead Free)**



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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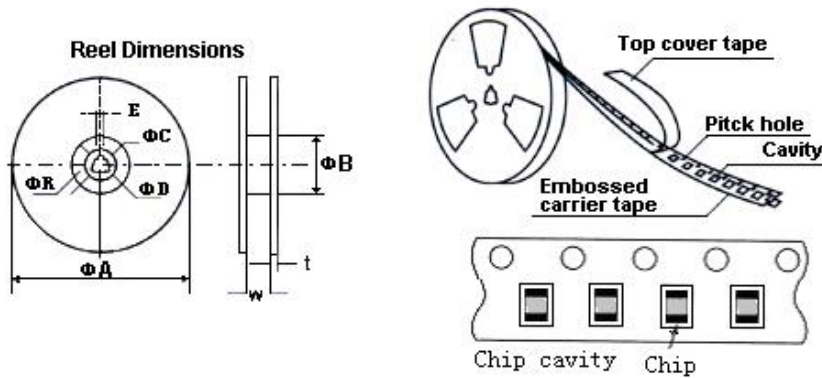


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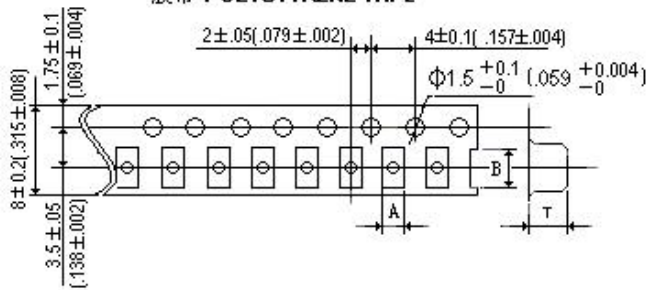
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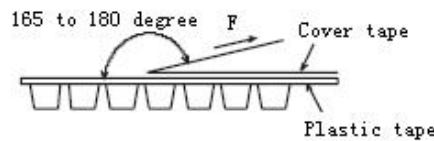
6. PACKAGING(unit: mm)



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

ΦA	ΦB	ΦC	ΦD	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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