

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

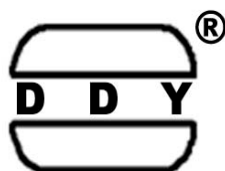
DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI0603LD-C系列

CUSTOMER MODEL NO:

DRAWING		
MADE	CHECKED	APPROVED
谭晶晶	黄志伟	肖中华
DATE:	2025年2月26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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惠州市德立电子有限公司
HUI ZHOU DE LI ELECTRONICS CO., LTD

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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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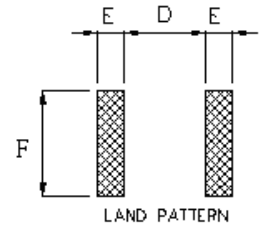
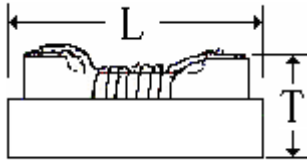
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1.SHAPE & DIMENSION

UNIT:mm



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

- PRODUCT SYMBOL (产品代号)
- DIMENSIONS (规格尺寸)
- MATERIAL (芯片类型)
- INDUCTANCE (电感量)
- TOLERANCE (公差) : J±5%; K±10%; 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
- Color (颜色) : C -点色
- E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

- 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.: 60% Max
- d.Moisture sensitivity level (MSL) 1
- e.Recommended products should be used within 12 months from the date of delivery

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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)m ax	(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%

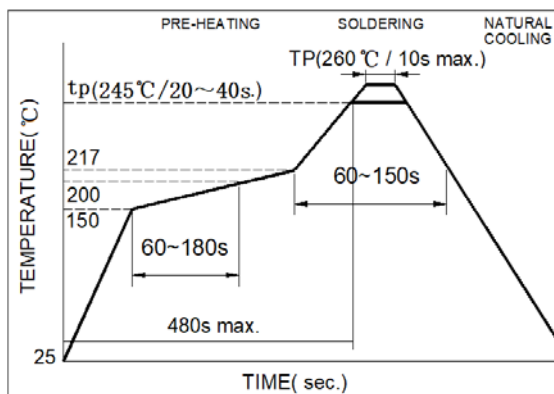
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肖中华	黄志伟	谭晶晶



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5. SOLDERING CONDITIONS

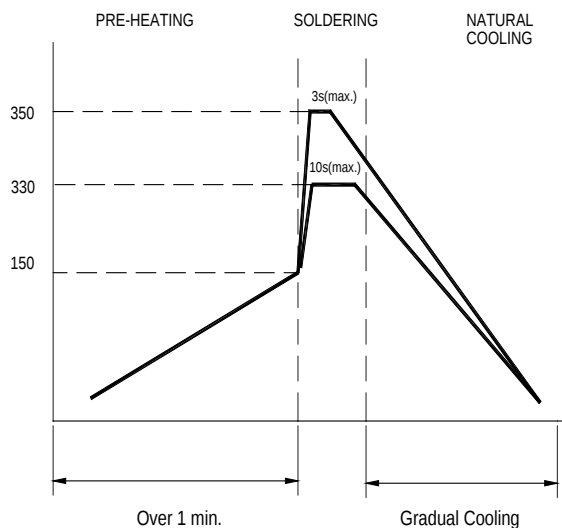
**Figure 1.
Re-flow
Soldering
(Lead Free)**



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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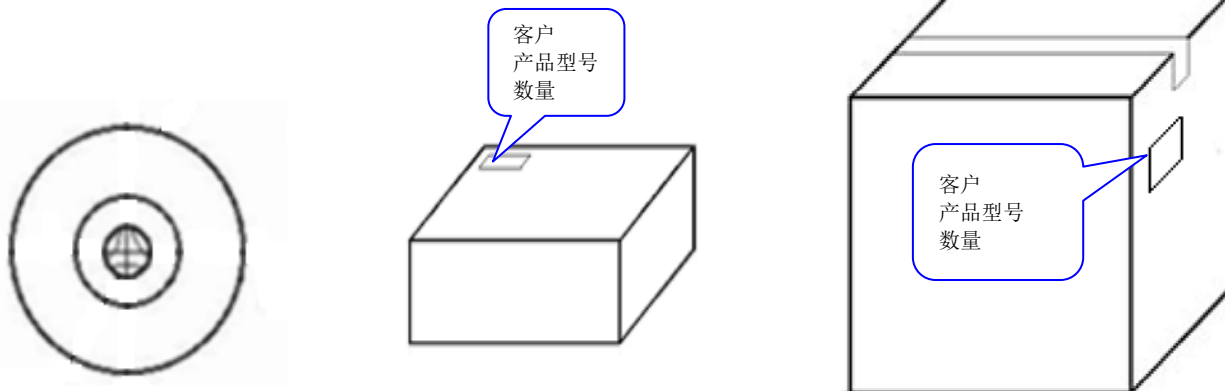
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6.Package Specifications

■Inside Box And Outside Carton



卷轴数量	内盒包装数量	外箱包装数量
每卷:4000 PCS	每盒四盘, 共16000 PCS	小箱6盒, 共96000 PCS
		中箱8盒, 共128000 PCS
		大箱10盒, 共160000 PCS
	内盒包装尺寸	外箱包装尺寸
	20.3*19.3*5.5cm	小号外箱, 40.6*23*19.7cm
		中号外箱, 41*22*26cm
		大号外箱, 41*22*33cm

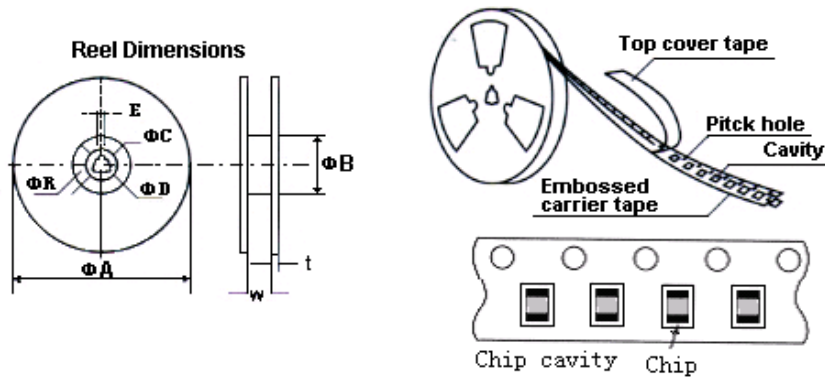
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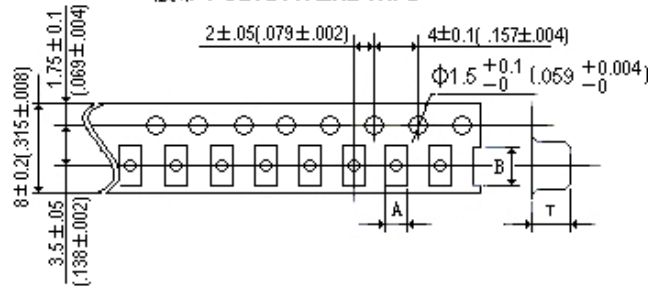
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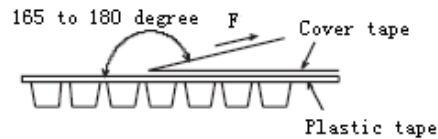
7. PACKAGING(unit: mm)



胶带 POLYSTYRENE TAPE



Peeling off force
Pull 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

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