

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

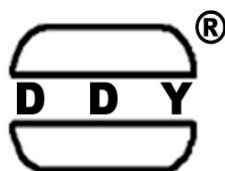
DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI0805IF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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郵編: 516100 [Http://ddycoils.com](http://ddycoils.com)



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。

HUI ZHOU DE LI ELECTRONICS CO., LTD

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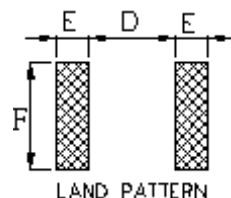
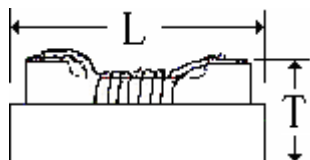
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1.SHAPE & DIMENSION

UNIT:mm



CODE		L(MAX)	W(MAX)	T(MAX)	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	WI0805IF	2.40	1.73	1.52	1.02	1.78	0.76

2. PART NUMBERING SYSTEM

WI 0805 IF 220 K S T - HF
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) : 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
- 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(Including self-generated heat).
- Storage temp.: -10°C ~ +40°C R.H.: 60% Max
- Moisture sensitivity level (MSL) 1
- 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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4.1 Electrical Characteristics List

NO.	Part Number	L	Freq	Q	SRF	Rdc	Isat	产品公差
		(μ H)	(MHz)	(Min)	(MHz)min	(Ω)max	(mA) _{max}	
1	WI0805IFR12□ST-HF	0.12	7.9	19	340	0.27	750	K,M
2	WI0805IFR15□ST-HF	0.15	7.9	19	480	0.3	720	K,M
3	WI0805IFR18□ST-HF	0.18	7.9	19	480	0.4	720	K,M
4	WI0805IFR22□ST-HF	0.22	7.9	19	480	0.4	720	K,M
5	WI0805IFR27□ST-HF	0.27	7.9	19	500	0.31	650	K,M
6	WI0805IFR39□ST-HF	0.39	7.9	19	500	0.31	720	K,M
7	WI0805IFR47□ST-HF	0.47	7.9	19	500	0.31	720	K,M
8	WI0805IFR56□ST-HF	0.56	7.9	12	400	0.46	400	K,M
9	WI0805IFR62□ST-HF	0.62	7.9	19	400	0.46	590	K,M
10	WI0805IFR68□ST-HF	0.68	7.9	19	400	0.46	590	K,M
11	WI0805IFR81□ST-HF	0.81	7.9	12	360	1	520	K,M
12	WI0805IFR88□ST-HF	0.88	7.9	12	360	1	520	K,M
13	WI0805IFR91□ST-HF	0.91	7.9	12	360	1	430	K,M
14	WI0805IF1R0□ST-HF	1	7.9	12	360	1	430	K,M
15	WI0805IF1R2□ST-HF	1.2	7.9	12	350	1.15	410	K,M
16	WI0805IF1R5□ST-HF	1.5	7.9	12	300	1.2	400	K,M
17	WI0805IF1R8□ST-HF	1.8	7.9	12	300	1.35	380	K,M
18	WI0805IF2R2□ST-HF	2.2	7.9	12	170	1.5	350	K,M
19	WI0805IF2R7□ST-HF	2.7	7.9	12	100	1.7	320	K,M
20	WI0805IF3R0□ST-HF	3	7.9	12	90	1.8	300	K,M
21	WI0805IF3R3□ST-HF	3.3	7.9	12	90	1.8	300	K,M

产品公差：K $\pm$ 10%；M $\pm$ 20%

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4.2 Electrical Characteristics List

NO.	Part Number	L	Freq	Q	SRF	Rdc	Isat	产品公差
		(μ H)	(MHz)	(Min)	(MHz)min	(Ω)max	(mA) _{max}	
22	WI0805IF3R9□ST-HF	3.9	7.9	12	90	1.95	280	K,M
23	WI0805IF4R7□ST-HF	4.7	7.9	12	85	2.05	250	K,M
24	WI0805IF5R6□ST-HF	5.6	7.9	12	70	2.3	240	K,M
25	WI0805IF6R8□ST-HF	6.8	7.9	12	55	2.6	220	K,M
26	WI0805IF7R5□ST-HF	7.5	7.9	12	50	2.6	180	K,M
27	WI0805IF8R2□ST-HF	8.2	7.9	12	50	3	180	K,M
28	WI0805IF100□ST-HF	10	2.5	10	40	2.55	150	K,M
29	WI0805IF120□ST-HF	12	2.5	10	16	3.5	100	K,M
30	WI0805IF150□ST-HF	15	2.5	10	16	4.2	100	K,M
31	WI0805IF180□ST-HF	18	2.5	10	15	4.5	95	K,M
32	WI0805IF220□ST-HF	22	2.5	10	14	6	80	K,M
33	WI0805IF270□ST-HF	27	2.5	10	17	10.7	60	K,M
34	WI0805IF330□ST-HF	33	2.5	10	17	10.7	60	K,M
35	WI0805IF470□ST-HF	47	2.5	10	14	13.8	55	K,M
36	WI0805IF560□ST-HF	56	2.5	10	8	14	30	K,M
37	WI0805IF680□ST-HF	68	2.5	8	11	17.5	40	K,M
38	WI0805IF101□ST-HF	100	1	8	5	25	30	K,M
39	WI0805IF111□ST-HF	110	1	8	5	26	20	K,M

产品公差: K $\pm$ 10%; M $\pm$ 20%

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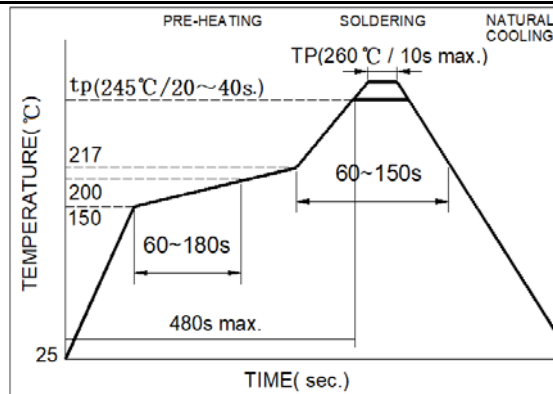


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5. SOLDERING CONDITIONS

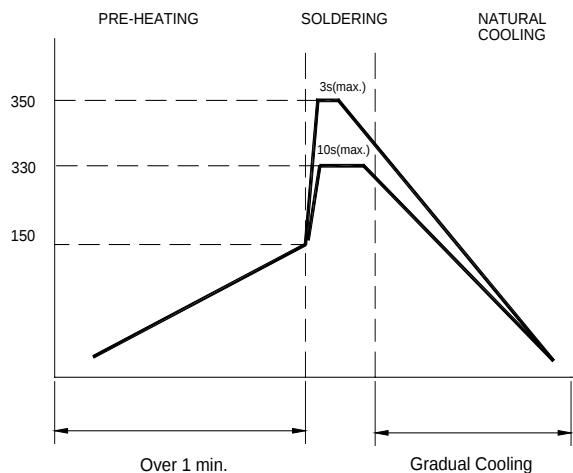
**Figure 1.
Re-flow
Soldering
(Lead Free)**



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.

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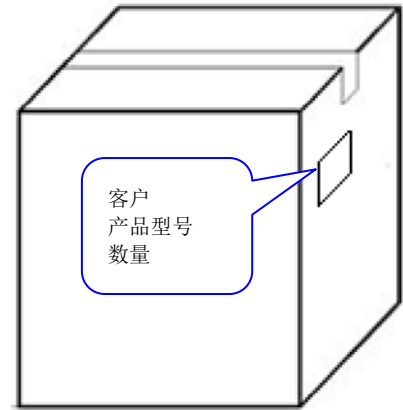
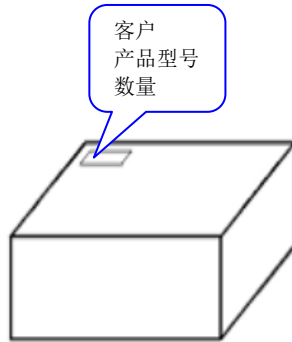
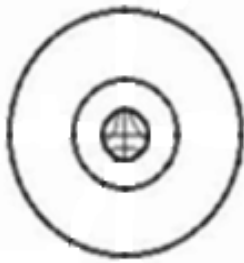


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6.Package Specifications

■Inside Box And Outside Carton



卷轴数量	内盒包装数量	外箱包装数量
每卷:2000 PCS	每盒四盘, 共8000 PCS	小箱6盒, 共48000 PCS
		中箱8盒, 共64000 PCS
		大箱10盒, 共80000 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

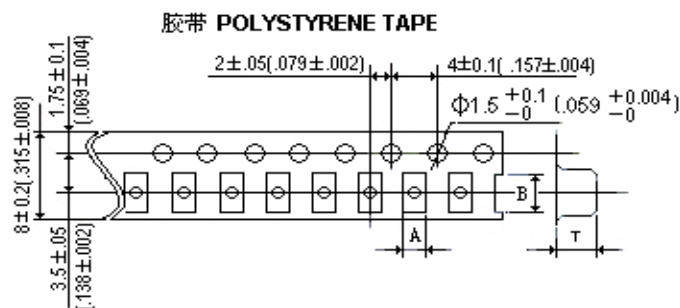
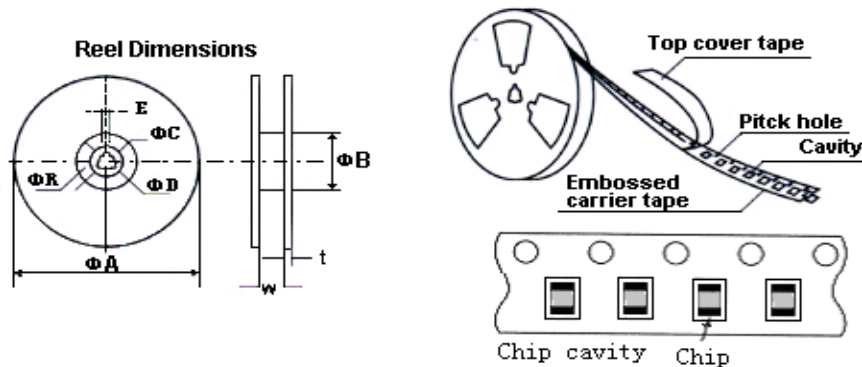
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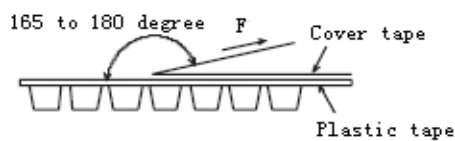
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7. PACKAGING(unit: mm)



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



胶带		A	B	T
	0805	1.9	2.4	1.45

Type	ΦA	ΦB	ΦC	ΦD	E	W	t	
0805	178	60	13	21	2	8.4	2	

包装数量(PACKAGING QUANTITY): 2000Pcs/盘

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