

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

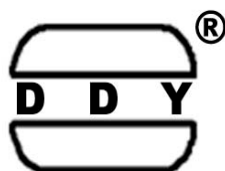
DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI0603IF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

傳真: 0752-6207969

郵編: 516100 [Http://ddycoils.com](http://ddycoils.com)



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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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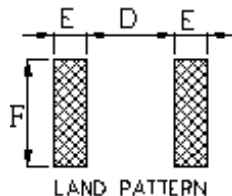
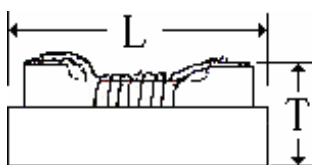
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1.SHAPE & DIMENSION

UNIT:mm



CODE		L(MAX)	W(MAX)	T(MAX)	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	WI0603IF	1.80	1.25	1.10	0.64	1.02	0.64

2. PART NUMBERING SYSTEM

WI 0603 IF 2R2 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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4. Electrical Characteristics List									
NO.	Part Number	L	Freq	Q	SRF	Rdc	Irms	产 品 公 差	
		(μH)	(MHz)	(Min)	(MHz) Typ	(Ω)max	(mA) Typ		
1	WI0603IFR12□ST-HF	0.12	7.9	12	1000	0.15	1000	K,M	
2	WI0603IFR15□ST-HF	0.15	7.9	12	950	0.15	1000	K,M	
3	WI0603IFR18□ST-HF	0.18	7.9	12	950	0.20	1000	K,M	
4	WI0603IFR22□ST-HF	0.22	7.9	12	775	0.30	700	K,M	
5	WI0603IFR27□ST-HF	0.27	7.9	12	775	0.30	700	K,M	
6	WI0603IFR33□ST-HF	0.33	7.9	12	725	0.32	600	K,M	
7	WI0603IFR39□ST-HF	0.39	7.9	12	620	0.51	500	K,M	
8	WI0603IFR47□ST-HF	0.47	7.9	12	540	0.43	570	K,M	
9	WI0603IFR56□ST-HF	0.56	7.9	12	600	0.65	400	K,M	
10	WI0603IFR68□ST-HF	0.68	7.9	12	500	1.00	380	K,M	
11	WI0603IFR82□ST-HF	0.82	7.9	12	500	1.30	350	K,M	
12	WI0603IF1R0□ST-HF	1	7.9	12	400	0.81	330	J,K,M	
13	WI0603IF1R2□ST-HF	1.2	7.9	12	380	1.70	320	J,K,M	
14	WI0603IF1R5□ST-HF	1.5	7.9	12	300	1.30	310	J,K,M	
15	WI0603IF1R8□ST-HF	1.8	7.9	12	180	2.20	300	J,K,M	
16	WI0603IF2R2□ST-HF	2.2	7.9	12	180	2.30	280	J,K,M	
17	WI0603IF2R7□ST-HF	2.7	7.9	12	150	2.60	250	J,K,M	
18	WI0603IF3R3□ST-HF	3.3	7.9	12	150	2.90	230	J,K,M	
19	WI0603IF3R9□ST-HF	3.9	7.9	12	100	2.00	200	J,K,M	
20	WI0603IF4R7□ST-HF	4.7	7.9	12	100	4.00	200	J,K,M	
21	WI0603IF5R6□ST-HF	5.6	7.9	12	32	2.60	240	J,K,M	
22	WI0603IF6R8□ST-HF	6.8	7.9	12	31	3.90	200	J,K,M	
23	WI0603IF8R2□ST-HF	8.2	7.9	12	26	4.20	190	J,K,M	
24	WI0603IF100□ST-HF	10	2.5	12	25	4.80	180	J,K,M	
25	WI0603IF150□ST-HF	15	2.5	10	23	8.50	170	J,K,M	
26	WI0603IF220□ST-HF	22	2.5	10	10	12.00	100	J,K,M	
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肖中华			黄志伟				谭晶晶		

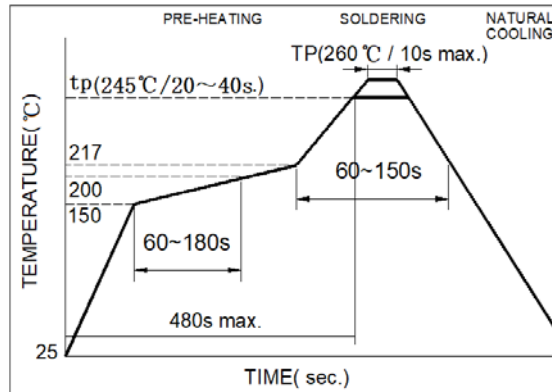


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5. SOLDERING CONDITIONS

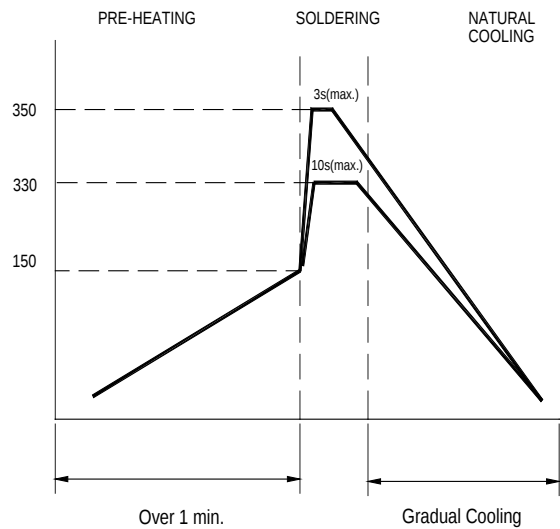
Figure 1.
Re-flow
Soldering
(Lead Free)



Note:

- Preheat circuit and products to 150℃
- 260℃ 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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肖中华	黄志伟	谭晶晶



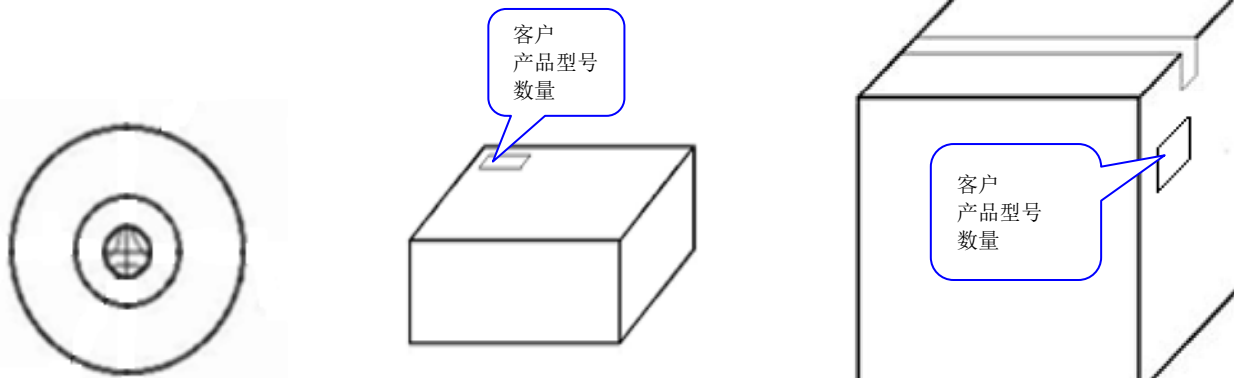
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6.Package Specifications

■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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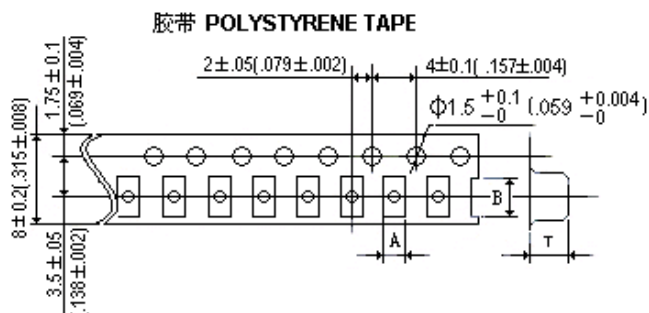
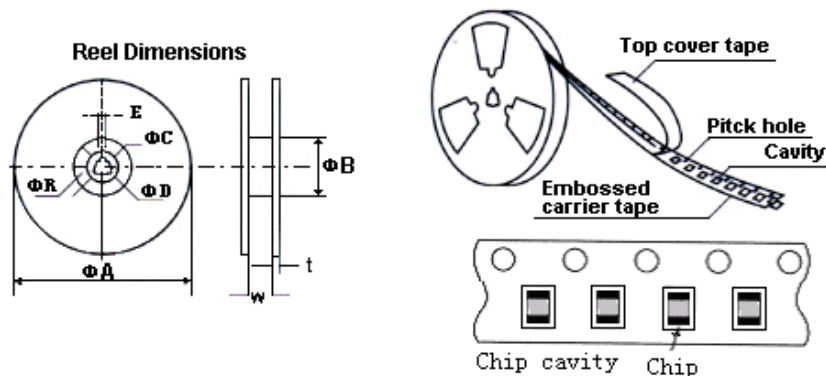


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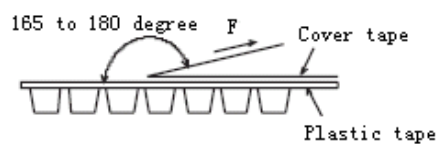
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7. PACKAGING(unit: mm)



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



	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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