

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

DESCRIPTION: WIRE WOUND CHIP INDUCTOR

DDY PART NO: WI1008IF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

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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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CATALOG

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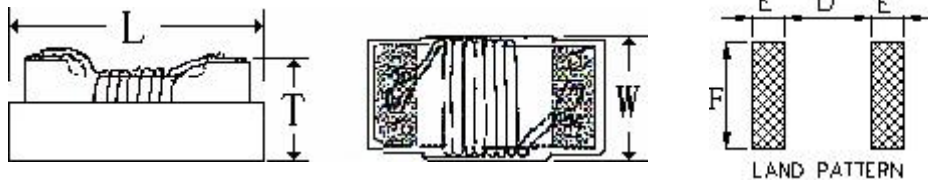
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1.SHAPE & DIMENSION

UNIT:mm



| CODE | | L(MAX) | W(MAX) | T(MAX) | E(Typ.) | F(Typ.) | D(Typ.) |
|-----------|----------|--------|--------|--------|---------|---------|---------|
| DIMENSION | WI1008IF | 2.92 | 2.70 | 2.23 | 1.02 | 2.54 | 1.27 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

2. PART NUMBERING SYSTEM

WI **1008** **IF** **1R0** **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

- Saturation DC current: Inductance drop approximately 30% of L0 at Isat.
- Operating temp.: -40℃~ +85℃
- Storage temp.: -10℃ ~ +40℃ R.H.: 65% Max
- Moisture sensitivity level (MSL) 2 (1 year floor life at <30℃/65% relative humidity)

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| 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 | Isat | 产品公差 |
|-----|-------------------|------------|-------|-------|----------|------------------|----------|-------|
| | | (μ H) | (MHz) | (TYP) | (MHz)Min | (Ω) Max | (mA) Max | |
| 1 | WI1008IFR39□ST-HF | 0.39 | 7.9 | 12 | 400 | 0.40 | 500 | K,M |
| 2 | WI1008IFR47□ST-HF | 0.47 | 25 | 12 | 600 | 0.27 | 700 | K,M |
| 3 | WI1008IFR56□ST-HF | 0.56 | 7.9 | 12 | 230 | 0.62 | 700 | K,M |
| 4 | WI1008IFR68□ST-HF | 0.68 | 7.9 | 12 | 230 | 0.62 | 700 | K,M |
| 5 | WI1008IFR82□ST-HF | 0.82 | 7.9 | 12 | 230 | 0.62 | 700 | K,M |
| 6 | WI1008IFR90□ST-HF | 0.9 | 7.9 | 20 | 300 | 0.35 | 1400 | K,M |
| 7 | WI1008IF1R0□ST-HF | 1 | 7.9 | 18 | 230 | 0.62 | 700 | K,M |
| 8 | WI1008IF1R2□ST-HF | 1.2 | 7.9 | 18 | 210 | 0.68 | 650 | K,M |
| 9 | WI1008IF1R5□ST-HF | 1.5 | 7.9 | 18 | 190 | 0.76 | 630 | K,M |
| 10 | WI1008IF1R8□ST-HF | 1.8 | 7.9 | 18 | 170 | 0.84 | 600 | K,M |
| 11 | WI1008IF2R0□ST-HF | 2 | 7.9 | 18 | 160 | 1.10 | 550 | K,M |
| 12 | WI1008IF2R2□ST-HF | 2.2 | 7.9 | 18 | 150 | 1.10 | 520 | K,M |
| 13 | WI1008IF2R7□ST-HF | 2.7 | 7.9 | 18 | 135 | 1.28 | 490 | K,M |
| 14 | WI1008IF3R3□ST-HF | 3.3 | 7.9 | 18 | 120 | 1.46 | 450 | K,M |
| 15 | WI1008IF3R9□ST-HF | 3.9 | 7.9 | 18 | 105 | 2.30 | 300 | K,M |
| 16 | WI1008IF4R7□ST-HF | 4.7 | 7.9 | 18 | 90 | 2.00 | 400 | K,M |
| 17 | WI1008IF5R6□ST-HF | 5.6 | 7.9 | 15 | 80 | 1.80 | 380 | K,M |
| 18 | WI1008IF6R8□ST-HF | 6.8 | 7.9 | 15 | 70 | 2.00 | 360 | K,M |
| 19 | WI1008IF8R2□ST-HF | 8.2 | 7.9 | 15 | 65 | 2.65 | 330 | K,M |
| 20 | WI1008IF100□ST-HF | 10 | 2.5 | 12 | 60 | 2.95 | 300 | J,K,M |
| 21 | WI1008IF150□ST-HF | 15 | 2.5 | 12 | 30 | 3.70 | 280 | J,K,M |
| 22 | WI1008IF180□ST-HF | 18 | 2.5 | 12 | 26 | 4.00 | 160 | J,K,M |
| 23 | WI1008IF220□ST-HF | 22 | 2.5 | 12 | 22 | 6.14 | 270 | J,K,M |
| 24 | WI1008IF330□ST-HF | 33 | 2.5 | 10 | 12 | 7.00 | 200 | J,K,M |
| 25 | WI1008IF390□ST-HF | 39 | 2.5 | 10 | 16 | 10.00 | 180 | J,K,M |
| 26 | WI1008IF470□ST-HF | 47 | 2.5 | 10 | 10 | 10.70 | 160 | J,K,M |
| 27 | WI1008IF560□ST-HF | 56 | 2.5 | 10 | 8 | 12.00 | 170 | J,K,M |
| 28 | WI1008IF680□ST-HF | 68 | 2.5 | 10 | 6 | 13.50 | 145 | J,K,M |
| 29 | WI1008IF820□ST-HF | 82 | 2.5 | 8 | 6 | 20.00 | 100 | J,K,M |
| 30 | WI1008IF101□ST-HF | 100 | 1 | 8 | 4 | 21.00 | 80 | J,K,M |

产品公差: J \pm 5%; K \pm 10%; M \pm 20%

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| APPROVED BY | CHECKED BY | DRAFT |
| 肖中华 | 黄志伟 | 谭晶晶 |

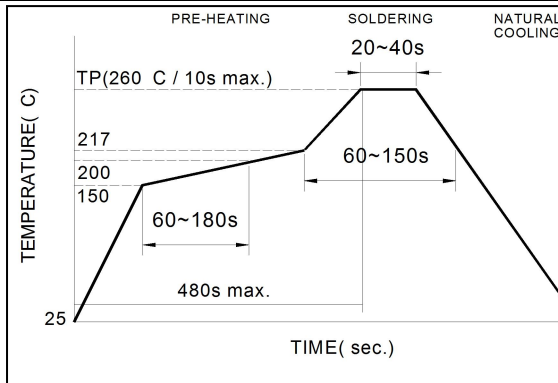


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5. SOLDERING CONDITIONS

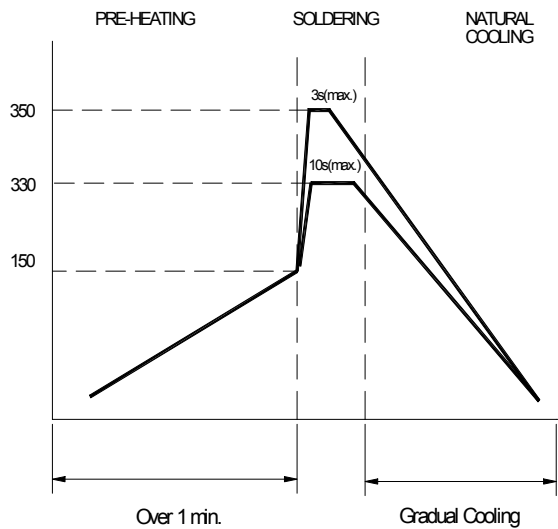
**Figure 1.
Re-flow
Soldering
(Lead Free)**



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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| 肖中华 | 黄志伟 | 谭晶晶 |

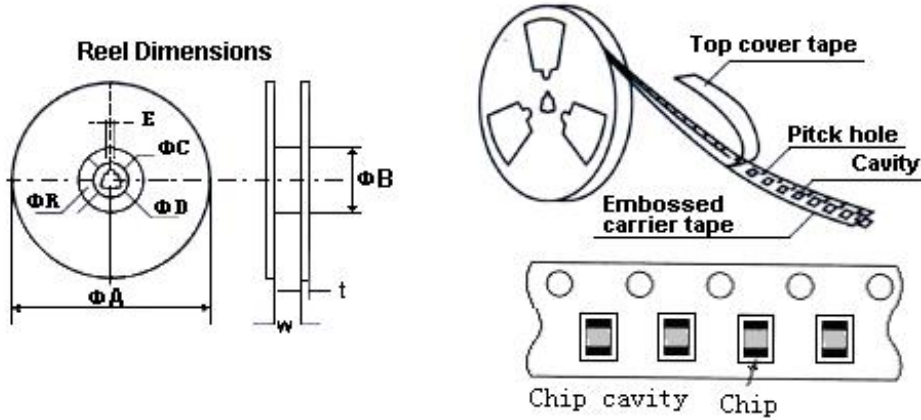


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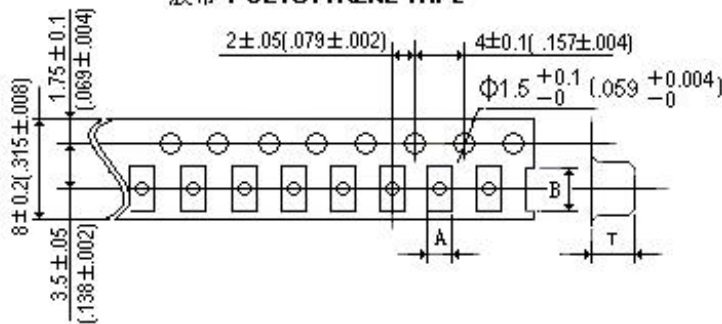
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6. PACKAGING(unit: mm)



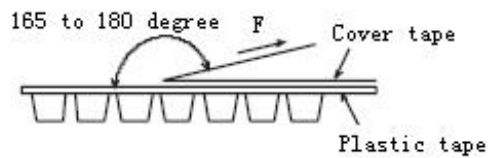
胶带 POLYSTYRENE TAPE



Peeling off force

Pull strength
0402~1210:20g~80g

Speed of peeling off:
300mm/min \pm 10%



| | | | | |
|----|------|------|------|------|
| 胶带 | 1008 | A | B | T |
| | | 2.73 | 2.90 | 2.34 |

| | | | | | | | | |
|------|----------|----------|----------|----------|---|-----|---|--|
| Type | ΦA | ΦB | ΦC | ΦD | E | W | t | |
| 1008 | 178 | 60 | 13 | 21 | 2 | 8.4 | 2 | |

包装数量(PACKAGING QUANTITY):2000Pcs/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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