

# 承認書

## SPECIFICATION FOR APPROVAL

CUSTOMER: \_\_\_\_\_ 2144 \_\_\_\_\_

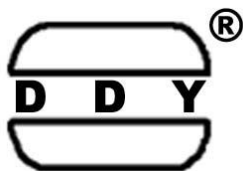
DESCRIPTION: \_\_\_\_\_ WIRE WOUND CHIP INDUCTOR \_\_\_\_\_

DDY PART NO: \_\_\_\_\_ WI0603IF100KST-HF \_\_\_\_\_

CUSTOMERMODELNO: \_\_\_\_\_

| DRAWING |           |          |
|---------|-----------|----------|
| MADE    | CHECKED   | APPROVED |
| 譚晶晶     | 黃志偉       | 肖宗華      |
| DATE:   | 2022年5月9日 |          |

| CUSTOMER APPROVE |
|------------------|
|                  |



惠州市德立电子有限公司  
HUI ZHOU DE LI ELECTRONICS CO., LTD

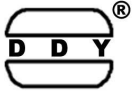
廣東省博羅縣洲際工業園梅園三路  
NO.3 MEI YUAN ROAD,ZHOU JI INDUSTRIAL AREA,BOLUO COUNTY GUANGDONG

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Http://ddycoils.com



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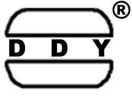
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| CUSTOMER NO: |                          | DATE:    | 2022年5月9日   |

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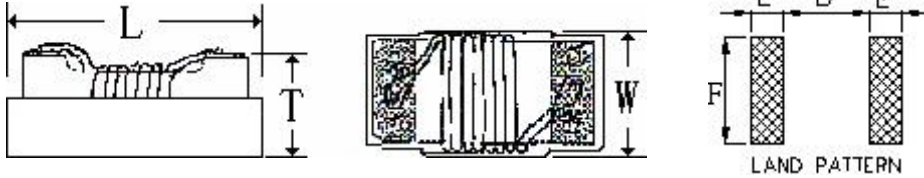
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## HUI ZHOU DE LI ELECTRONICS CO., LTD

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### 1. SHAPE & DIMENSION

UNIT:mm



|           |         |         |         |          |          |          |  |
|-----------|---------|---------|---------|----------|----------|----------|--|
| CODE      | L       | W       | T       | E        | F        | D        |  |
| DIMENSION | 1.80MAX | 1.25MAX | 1.10MAX | 0.64Typ. | 1.02Typ. | 0.64Typ. |  |

### 2. CHARACTERISTICS @25°C

| ITEM      | SPEC. RANGE | TEST CONDITION | TEST INSTRUMENTS |
|-----------|-------------|----------------|------------------|
| L (μH)    | 10±10%      | 2.5MHz/0.5V    | HP4286A          |
| Q 值       | 10 MIN      | 2.5MHz/0.5V    |                  |
| Rdc (Ω)   | 4.80 MAX    |                | 502BC            |
| Isat (mA) | 180 MAX     |                | TH2829A+TH1778A  |
| SRF (MHz) | 25 MIN      |                | E5071C ENA       |

### 3. PART NUMBERING SYSTEM

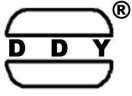
**WI** □□□□ □□ □R□ □ □ □ — □□  
**1**    **2**    **3**    **4**    **5**    **6**    **7**    **8**

- 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 E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

### 4. GENERAL SPECIFICATION

- a. Saturation DC current: Inductance drop approximately 30% of L0 at Isat.
- 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)

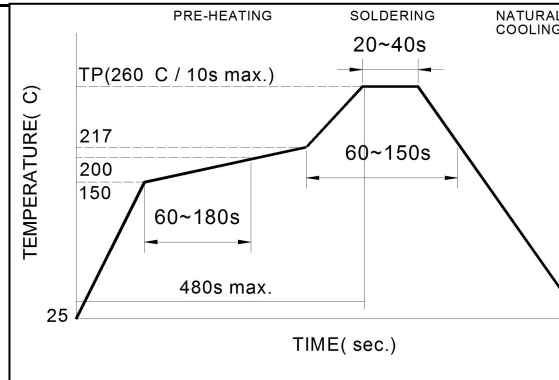
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| APPROVED BY | CHECKED BY | DRAFT |
| 肖宗华         | 黄志伟        | 谭晶晶   |



|              |                          |          |             |
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**5. SOLDERING CONDITIONS**

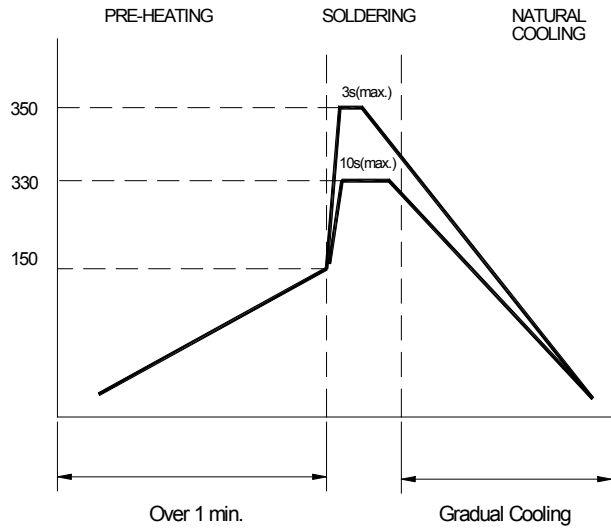
**Figure 1.  
Re-flow  
Soldering (Lead  
Free)**



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

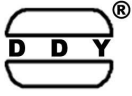
**Figure 2.  
Hand Soldering**



Note:

- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

|             |            |          |
|-------------|------------|----------|
| APPROVED BY | CHECKED BY | DRAWN BY |
| 肖宗华         | 黄志伟        | 谭晶晶      |

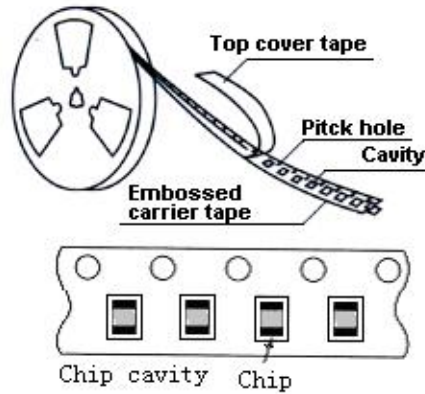
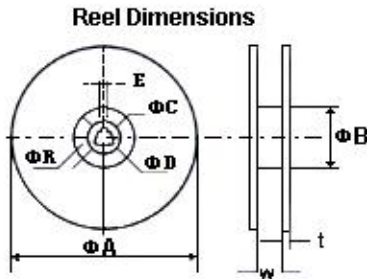


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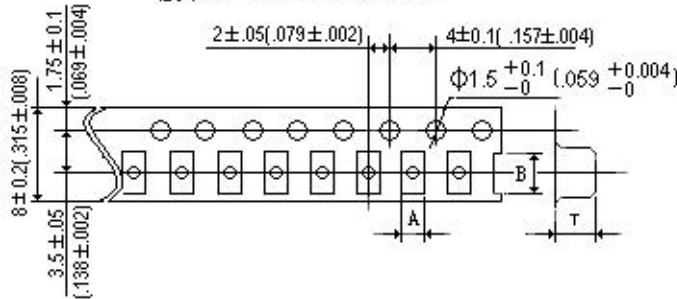
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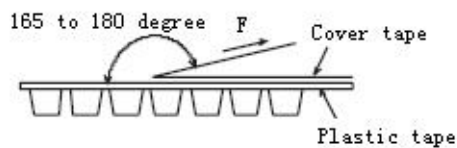
6. PACKAGING(unit: mm)



胶带 POLYSTYRENE TAPE



Peeling off force  
Full strength  
0402~1210:20g~80g  
Speed of peeling off:  
300mm/min±10%



|    | A    | B    | T    |
|----|------|------|------|
|    | Typ  | Typ  | Typ  |
| 胶带 | 1.15 | 1.83 | 0.95 |

| ΦA  | ΦB  | ΦC  | ΦD  | E   | W   | t   | R   |
|-----|-----|-----|-----|-----|-----|-----|-----|
| Typ | Typ | Typ | Typ | Typ | Typ | Typ | Typ |
| 178 | 60  | 13  | 21  | 2   | 8.4 | 2   | 1   |

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 |
|-------------|------------|-------|
| 肖宗华         | 黄志伟        | 谭晶晶   |



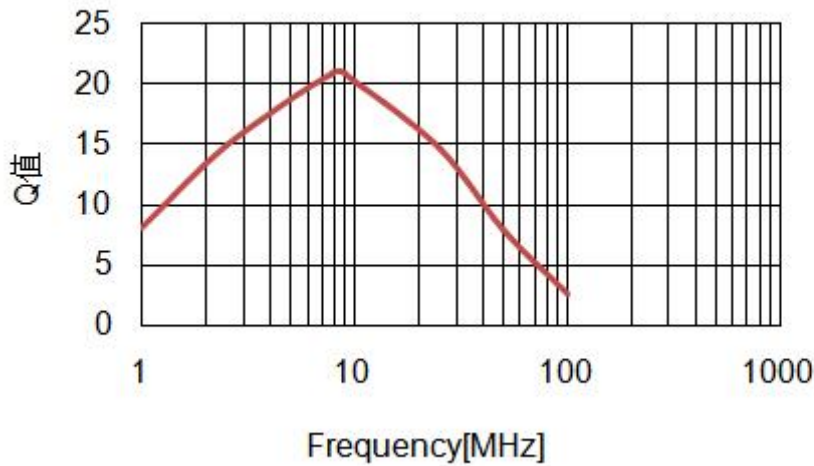
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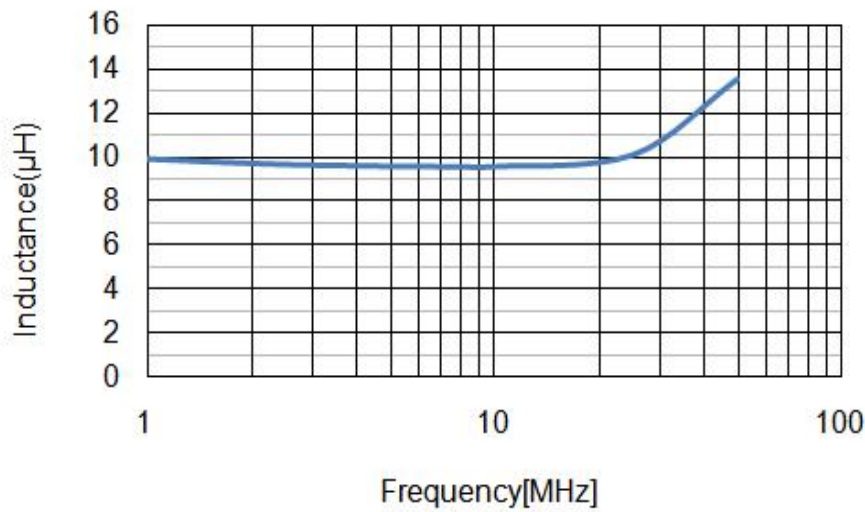
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### 7.ELECTRICAL CHARACTERISTIC CURVE

WI0603IF100KST-HF



WI0603IF100KST-HF



APPROVED BY

肖宗华

CHECKED BY

黄志伟

DRAFT

谭晶晶

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