

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: _____ 2144 _____

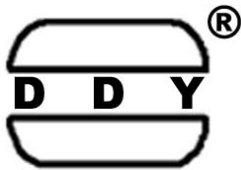
DESCRIPTION: _____ WIRE WOUND CHIP INDUCTOR _____

DDY PART NO: _____ WI0805IF150KST-HF _____

CUSTOMERMODELNO: _____

| DRAWING | | |
|---------|-----------|----------|
| MADE | CHECKED | APPROVED |
| 譚昌晶 | 黃志偉 | 肖中華 |
| DATE: | 2022年9月8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
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Http://ddycoils.com



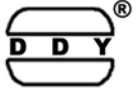
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| CUSTOMER NO: | | DATE: | 2022年9月8日 |

CATALOG

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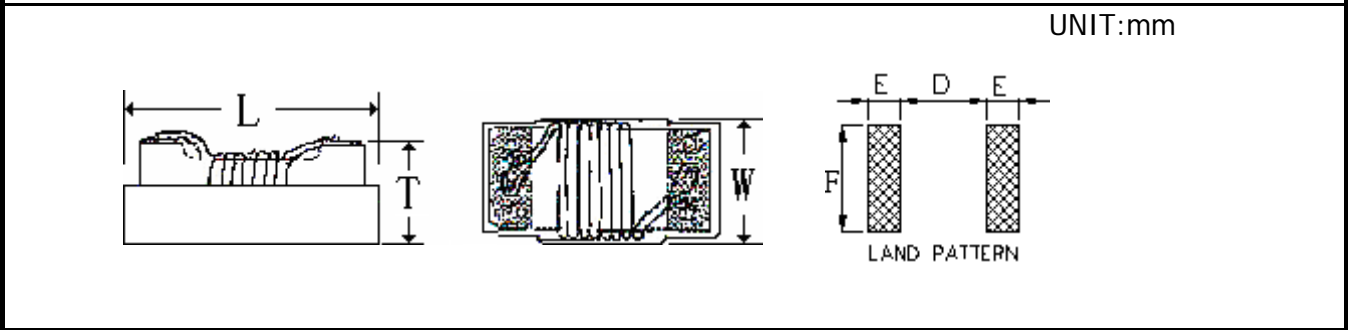


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1. SHAPE & DIMENSION



| | | | | | | | |
|-----------|---------|---------|---------|----------|----------|----------|--|
| CODE | L | W | T | E | F | D | |
| DIMENSION | 2.40MAX | 1.73MAX | 1.52MAX | 1.02Typ. | 1.78Typ. | 0.76Typ. | |

2. CHARACTERISTICS @25°C

| ITEM | SPEC. RANGE | TEST CONDITION | TEST INSTRUMENTS |
|-----------|-------------|----------------|------------------|
| L (μH) | 15±10% | 2.5MHz/0.5V | HP4286A |
| Q 值 | 10 MIN | 2.5MHz/0.5V | |
| Rdc (Ω) | 4.20 MAX | | 502BC |
| Irms (mA) | 100 MAX | | TH2829A+TH1778A |
| SRF (MHz) | 16 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. Rating DC current: Temperature rise(ΔT) is 40°C approximately at I_{rms}.
- b. Operating temp.: -40°C~+125°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)

| | | |
|-------------|------------|-------|
| APPROVED BY | CHECKED BY | DRAFT |
| 肖中华 | 黄志伟 | 谭昌晶 |



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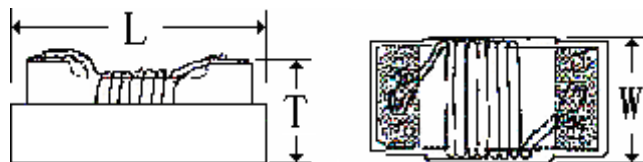
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5. TEST DATA FOR SAMPLES

| TEST ITEM | L | Q 值 | Rdc | L | W | T | |
|-----------|--------------|-------------|--------------|---------|---------|---------|--|
| | (μ H) | | (Ω) | (mm) | (mm) | (mm) | |
| CON. | 2.5MHz/0.5V | 2.5MHz/0.5V | At 25°C | 2.40MAX | 1.73MAX | 1.52MAX | |
| SPEC. | 15 \pm 10% | 10 MIN | 4.20 MAX | | | | |
| 1 | 15.02 | 17.0 | 2.47 | 2.30 | 1.57 | 1.25 | |
| 2 | 15.03 | 16.0 | 2.43 | 2.30 | 1.58 | 1.25 | |
| 3 | 14.88 | 17.0 | 2.46 | 2.29 | 1.59 | 1.27 | |
| 4 | 14.97 | 16.0 | 2.44 | 2.31 | 1.57 | 1.27 | |
| 5 | 15.13 | 18.0 | 2.47 | 2.30 | 1.58 | 1.26 | |
| 6 | 14.95 | 17.0 | 2.45 | 2.32 | 1.58 | 1.26 | |
| 7 | 14.89 | 17.0 | 2.46 | 2.33 | 1.59 | 1.28 | |
| 8 | 14.89 | 16.0 | 2.44 | 2.31 | 1.58 | 1.25 | |
| 9 | 15.08 | 17.0 | 2.45 | 2.30 | 1.59 | 1.26 | |
| 10 | 14.97 | 18.0 | 2.46 | 2.32 | 1.60 | 1.27 | |
| X | 14.98 | 16.90 | 2.45 | 2.31 | 1.58 | 1.26 | |
| R | 0.25 | 2.00 | 0.04 | 0.04 | 0.03 | 0.03 | |

图示:



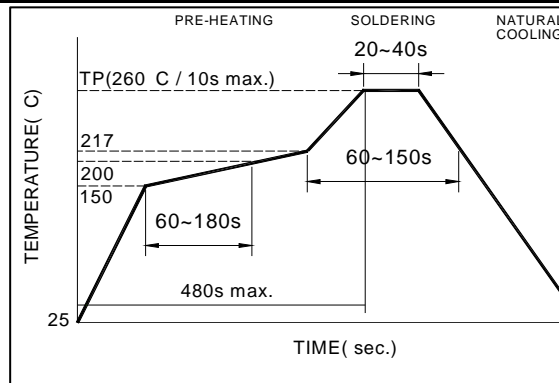
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6. SOLDERING CONDITIONS

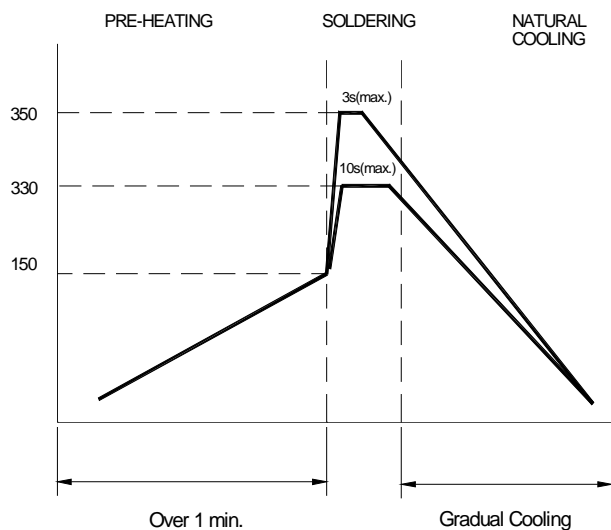
**Figure 1.
Re-flow
Soldering (Lead
Free)**



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 | 谭昌晶 |

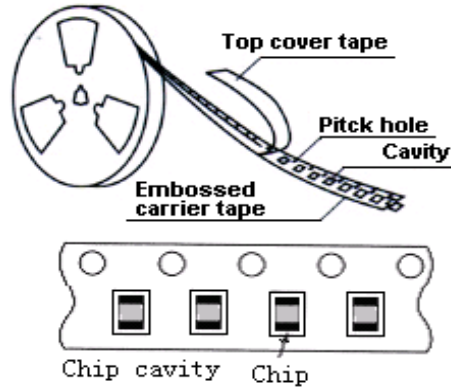
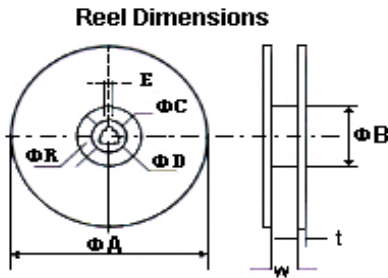


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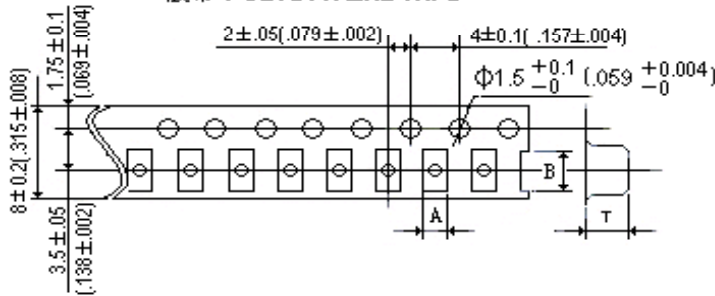
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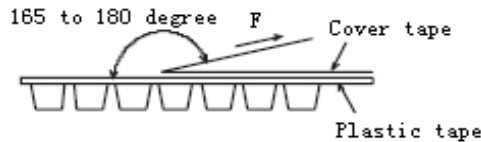
7. PACKAGING(unit: mm)



胶带 POLYSTYRENE TAPE



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



| | | | | |
|----|------|------|-----|------|
| 胶带 | | A | B | T |
| | 0805 | 1.85 | 2.4 | 1.45 |

| | | | | | | | | |
|------|-----|----|----|----|---|-----|---|---|
| Type | ΦA | ΦB | ΦC | ΦD | E | W | t | R |
| 0805 | 178 | 60 | 13 | 21 | 2 | 8.4 | 2 | 1 |

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 | 谭昌晶 |

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