

CUSTOMER

KFT-107

ROHS

## SPECIFICATION FOR APPROVAL

MODEL NO. : RC 25X2.5-50MM-8.1uH-01

KEFEITE NO. : 79-M13(R25X2.5)-0.08X24PX14TS--50MM-8.1uH

CUSTOMER P/N: T1

DATE : 2022/08/15

REV : A1

✱Product complies with: ☒RoHS ☐PAHS ☐6P ☐REACH

PLEASE RETURN TO US COPY OF "SPECIFICATION FOR APPROVAL" WITH YOUR APPROVED SIGNATURES.

|                      | "√" | CUSTOMER'S SIGNATURE | NOTE |
|----------------------|-----|----------------------|------|
| FULL APPROVED        |     |                      |      |
| CONDITIONAL APPROVED |     |                      |      |
| REJECTED             |     |                      |      |

SHENZHEN KEFEITE ELELECTRONICS CO., LTD

FactoryAddress:2/F,New era industrial area C Building  
Guantiancommunity, Shenzhen.

TEL:86-755-27352660

FAX:86-755-27352742

HTTP:WWW.Kefeite.net



## SHENZHEN KEFEITE ELECTRONICS CO., LTD

|              |                                           |            |             |            |
|--------------|-------------------------------------------|------------|-------------|------------|
| CUSTOMER:    | KFT-107                                   | VERSION:   | A1          |            |
| CUSTOMER NO: | T1 watch coil                             | PAGE:      | 2/4         |            |
| KFT P/N:     | 79-T1 (R25X2.5)-0.08X24PX14TS--50MM-8.1uH | Date:      | 2022/08/15  |            |
| VERSION      | MODIFY THE CONTENT                        | Date       | Drawn By    | Checked By |
| A1           | New version                               | 2022/08/15 | Hu Guoqiang | Zhou Miao  |
|              |                                           |            |             |            |
|              |                                           |            |             |            |
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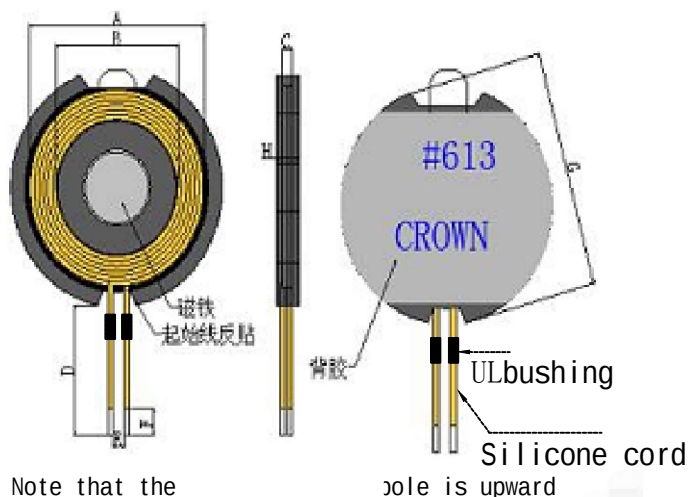
NOTES:



# SHENZHEN KEFEITE ELECTRONICS CO., LTD

|              |                                           |          |            |
|--------------|-------------------------------------------|----------|------------|
| CUSTOMER:    | KFT-79                                    | VERSION: | A1         |
| CUSTOMER NO: | T1 watch coil                             | PAGE:    | 3/4        |
| KFT P/N:     | 79-T1 (R25X2.5)-0.08X24PX14TS--50MM-8.1uH | Date:    | 2022/08/15 |

## 1. CONFIGURATION&DIMENSIONS:



|   |                         |
|---|-------------------------|
| A | $20.9 \pm 1.0\text{mm}$ |
| B | $14.9 \pm 0.5\text{mm}$ |
| C | $1.1 \pm 0.2\text{mm}$  |
| D | $50.0 \pm 1.5\text{mm}$ |
| E | 3.0ref                  |
| F | 2~4mm                   |
| G | $24.5 \pm 1.0\text{mm}$ |
| H | 2.8MAX (不含离型纸)          |

## 2. ELECTRICAL CHARACTER:

| atm        | Specifications           | Test conditions | Test instrument |
|------------|--------------------------|-----------------|-----------------|
| Inductance | $4.8\mu\text{H} \pm 5\%$ | 100KHZ/1.0V     | CH1062          |
| Inductance | $8.1\mu\text{H} \pm 5\%$ | 100KHZ/1.0V     | CH1062          |
| (RDC)      | $163\text{m}\Omega$ MAX  | 25°C            | HG2512          |

## 3. SCHEMATIC



## 4. PART NUMBERING:PRODUCT IDENTIFICATION

|    |              |               |      |                              |  |
|----|--------------|---------------|------|------------------------------|--|
| 79 | T1(RC25X2.5) | 0.08X24PX14TS | 50MM | 8.1uH                        |  |
|    |              |               |      | Inductance                   |  |
|    |              |               |      | Line Length                  |  |
|    |              |               |      | Wire Diameter                |  |
|    |              |               |      | Magnetic Sheet Specification |  |
|    |              |               |      | Customer number              |  |

|             |             |            |              |
|-------------|-------------|------------|--------------|
| DRAWN BY:   | CHECKED BY: | Q. C DEPT: | APPROVED BY: |
| Hu Guoqiang | Zhou Miao   |            | Wan Jianjun  |



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| CUSTOMER NO: | T1 watch coil                            | PAGE:    | 4/4        |
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## 5. MATERIAL LIST:

| NO | ITEM             | DESCRIPTION    | RATING | SUPPLIERS                                          | UL NO.  | REMARK |
|----|------------------|----------------|--------|----------------------------------------------------|---------|--------|
| 1  | WIRE             | 热风线            | 155℃   | SHANTOU SHENGANG ELECTRICAL<br>INDUSTRIAL CO., LTD | E239508 |        |
| 2  | SOLDER           | 99.3/0.7       |        | SHENZHEN Hong Xing Wei<br>solder Limited           |         |        |
| 3  | CORE             | 25/7.7/2.5     |        | Changxing BO Cheng Electronics<br>CO., LTD         |         |        |
| 4  | EPOXY            | 1603HFR-HS     |        | DONGBU FINE CHEMICAL CO LTD                        |         |        |
| 5  | Strong<br>Magnet | 7.8X2.5>3500GS |        | DONGBU FINE CHEMICAL CO LTD                        |         |        |

## 6. GENERAL SPECIFICATION:

1 Tested at 1.0KHZ/0.25Vrms, 0 Adc.

Average current for 40℃ temperature rise from 25℃.

2 Saturation current(Isat):

Inductance drop:10% typ at Isat.

3 Heat rating current(Irms):

$L@I_{rms} = \Delta T \leq 40^{\circ}\text{C}$ .

4 Electrical specifications at 25℃

5 Storage Temp:-40℃....+85℃

6 Operating Temp:-40℃....+85℃

|             |             |            |              |
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