

CUSTOMER

KFT-107

ROHS

## SPECIFICATION FOR APPROVAL

MODEL NO. : G43.5

KEFEITE NO. : 107-M8-G43.5-0.08X105PX10TS-6.3uH-10mm

CUSTOMER P/N: M8-G43.5-6.3uH-10mm

DATE : 2024/01/20

REV : A1

※产品符合: ☒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, Guantiancommunity, Shenzhen. New era industrial area  
C Building

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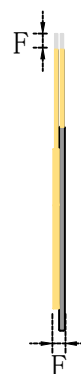
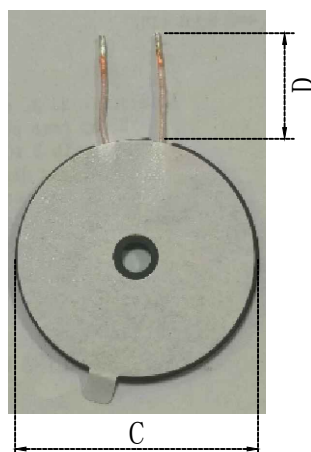
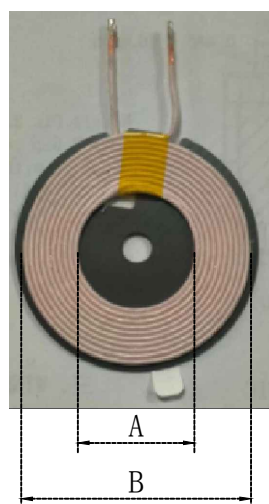
NOTES :



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|              |                                        |          |            |
|--------------|----------------------------------------|----------|------------|
| CUSTOMER:    | KFT-107                                | VERSION: | A1         |
| CUSTOMER NO: | M8-G43.5-6.3uH-10mm                    | PAGE:    | 3/4        |
| KFT P/N:     | 107-M8-G43.5-0.08X105PX10TS-6.3uH-10mm | Date:    | 2024/01/20 |

## 1. CONFIGURATION&DIMENSIONS:



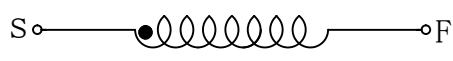
|   |                         |
|---|-------------------------|
| A | $20.5 \pm 1.0\text{mm}$ |
| B | $40.5 \pm 1.0\text{mm}$ |
| C | $43.5 \pm 0.5\text{mm}$ |
| D | $10 \pm 1.0\text{mm}$   |
| E | $2.5 \pm 1.0\text{mm}$  |
| F | 2.8mm MAX               |

1. Fixing tape (0.05X8mm), Adjustable.
2. Double sided adhesive tape on the back of the product
3. H dimension includes the thickness of release paper

## 2. ELECTRICAL CHARACTER:

| PROJECT | SPECIFICATIONS             | TEST CONDITIONS | TEST INSTRUMENT |
|---------|----------------------------|-----------------|-----------------|
| (Ls)    | $6.3 \pm 10\% \mu\text{H}$ | 10KHZ/1.0V      | CH1062          |
| (RDC)   | $\leq 45\text{m}\Omega$    | At: 25°C        | HG2512          |
| (Q)     | $\geq 56$                  | 100KHZ/1.0V     | CH1062          |

## 3. SCHEMATIC



## 4. PART NUMBERING: PRODUCT IDENTIFICATION

|     |       |                |       |      |                              |
|-----|-------|----------------|-------|------|------------------------------|
| 107 | G43.5 | 0.08X105PX10TS | 6.3uH | 10mm |                              |
|     |       |                |       |      | Line Length                  |
|     |       |                |       |      | Inductance                   |
|     |       |                |       |      | Wire Diameter                |
|     |       |                |       |      | Magnetic Sheet Specification |
|     |       |                |       |      | Customer number              |

|           |             |            |              |
|-----------|-------------|------------|--------------|
| DRAWN BY: | CHECKED BY: | Q. C DEPT: | APPROVED BY: |
| FI GO     | QIONJINFU   |            | W. J. J      |





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## 5. MATERIAL LIST:

| NO | ITEM   | DESCRIPTION     | RATING | SUPPLIERS                                          | UL NO.  | REMARK |
|----|--------|-----------------|--------|----------------------------------------------------|---------|--------|
| 1  | WIRE   | Acetone line    | 155℃   | SHANTOU SHENGANG ELECTRICAL<br>INDUSTRIAL CO., LTD | E239508 |        |
| 2  | SOLDER | 99.3/0.7        |        | SHENZHEN Hong Xing Wei<br>solder Limited           |         |        |
| 3  | CORE   | 43.5X5.0X0.72mm |        | Changxing BO Cheng Electronics<br>CO., LTD         |         |        |
| 4  | EPOXY  | 1603HFR-HS      |        | DONGBU FINE CHEMICAL CO LTD                        |         |        |
| 5  | TAPE   | PI 260℃         |        | SU ZHOU MAILADUONA ELECTRIC<br>MATERIAL CO., LTD   | E188295 |        |

## 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):  
 $L @ Irms = \Delta T \leq 40^{\circ}C$ .
- 4 Electrical specifications at 25℃
- 5 Storage Temp: -40℃....+85℃
- 6 Operating Temp: -40℃....+85℃

| Antenna Gain        |                             |
|---------------------|-----------------------------|
| Operating Frequency | 110-205kHz                  |
| Antenna Type        | Inductive loop coil Antenna |
| Gain                | 0 dBi                       |

|           |             |            |                                                                                               |
|-----------|-------------|------------|-----------------------------------------------------------------------------------------------|
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| FI GO     | QIONJINFU   |            | W. J. J  |