

CUSTOMER

KFT-107

ROHS

SPECIFICATION FOR APPROVAL

MODEL NO. : RC 25X2.5-12mm-8.1uH-01

KEFEITE NO. : 107-RC25X2.5-0.08X24PX14TS-10mm-8.1uH-01

CUSTOMER P/N: M5

DATE : 2022/09/30

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

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C Building

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SHENZHEN KEFEITE ELECTRONICS CO., LTD

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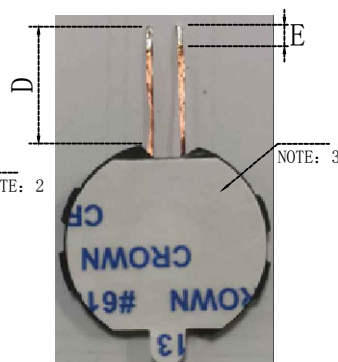
NOTES :



SHENZHEN KEFEITE ELECTRONICS CO., LTD

CUSTOMER:	KFT-107	VERSION:	A1
CUSTOMER NO:	M5	PAGE:	3/5
KFT P/N:	107-RC25X2.5-0.08X240X14TS-10mm-8.1uH-01	Date:	2022/09/30

1. CONFIGURATION&DIMENSIONS:



A	14.1±0.2mm
B	20±0.2mm
C	25.0mm MAX
D	10±1.5mm
E	2~4mm
F	2.8mm MAX

1. Outgain line: cross outgoing line, pasted reversely on the magnetic sheet

2. Magnet is installed in the center hole with the "s" Pole facing upwards (7.8x2.5mm≥3200GS)

3. Double sided adhesive tape on the back of the product

4. F Size thickness does not include release paper

2. ELECTRICAL CHARACTER:

PROJECT	SPECIFICATIONS	TEST CONDITIONS	TEST INSTRUMENT
(Ls) Coil	4.8±10%uH	100KHZ/1.0V	CH1062
(Ls)Coil+Core	8.1±10%uH	100KHZ/1.0V	CH1062
(RDC)	≤280mΩ	At:25℃	HG2512

3. SCHEMATIC



4. PART NUMBERING:PRODUCT IDENTIFICATION

107 RC25X2.5 0.08X24PX14TS 10mm 8.1uH 01

Serial number

Inductance

Line Length

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 INDUSTRIAL CO., LTD	E239508	
2	SOLDER	99.3/0.7		SHENZHEN Hong Xing Wei solder Limited		
3	CORE	25/7.7/2.5		Changxing BO Cheng Electronics CO., LTD		
4	EPOXY	1603HFR-HS		DONGBU FINE CHEMICAL CO LTD		
5	Strong Magnet	7.8X2.5>3000GS		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℃

Antenna Gain	
Operating Frequency	325kHz
Antenna Type	Inductive loop coil Antenna
Gain	0 dBi

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