

CUSTOMER

KFT-107

ROHS

SPECIFICATION FOR APPROVAL

MODEL NO. : RC 25X2.5-25mm-4.1uH-01

KEFEITE NO. : 107-RC25X2.5-0.04X100PX10TS-25mm-4.1uH

CUSTOMER P/N: T1

DATE : 2025/04/25

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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SHENZHEN KEFEITE ELECTRONICS CO., LTD

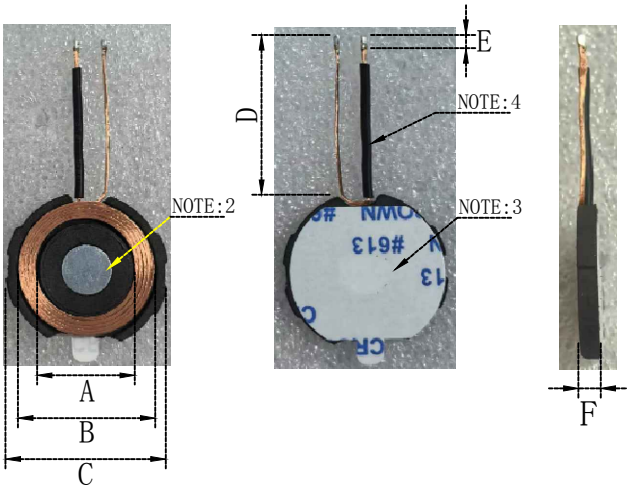
CUSTOMER:	KFT-107	VERSION:	A1	
CUSTOMER NO:	T1	PAGE:	2/4	
KFT P/N:	107-RC25X2.5-0.04X100PX10TS-25mm-4.1uH	Date:	2025/04/25	
VERSION	MODIFY THE CONTENT	Date	Drawn By	Checked By
A1	New Version	2025/04/25	FIG0	QIONJINFL 

NOTES:

SHENZHEN KEFEITE ELECTRONICS CO., LTD

CUSTOMER:	KFT-107	VERSION:	A1
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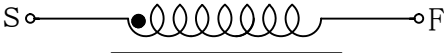
1. CONFIGURATION&DIMENSIONS:

	A	14.1±0.2mm
	B	20±0.2mm
	C	25.0mm MAX
	D	55±1.5mm
	E	2~4mm
	F	2.8mm MAX
1.Outgoin line:cross outgoing line,pasted reversely on the magnetic sheet 2.Magnet is installed in the center hole with the "s" Pole facing upwards(7.8x2.0mm≥3200GS) 3.Double sided adhesive tape on the back of the product 4.UL-listed heat-shrinkable sleeve for incoming line 5.F Size thickness does not include release paper		

2. ELEETRICAL CHARACTER:

PROJECT	SPECFICTIONS	TEST CONDITIONS	TEST INSTRUMENT
(Ls) Coil	2.5uH±10%	100KHZ/1.0V	CH1062
(Ls)Coil+Core+Magnet	4.4uH±10%	100KHZ/1.0V	CH1062
(Ls)Coil+Core+Magnet+Iron Sheet	4.1uH±10%	100KHZ/1.0V	CH1062
(RDC)	≤125mΩ	At:25℃	HG2512

3. SCHEMATIC



4. PART NUMBERING:PRODUCT IDENTIFICATION

107	RC25X2.5	0.04X100PX10TS	25mm	4.1uH	
					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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CUSTOMER:	KFT-107	VERSION:	A1
CUSTOMER NO:	T1	PAGE:	4/4
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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	7.8X2.0>3200GS		DONGBU FINE CHEMICAL CO LTD		
6	heat-shrinkable tube	Φ 0.8mm/600V	125℃	Dongguan ling Free hardware Plastics Product CO.,LTD	E352366	

6. GENERAL SPECIFICATION:

- 1 Tested at 1.0KHZ/0.25Vrms, 0 Adc.
Average current for 40℃ temperature rise from25℃.
- 2 Saturaion current(Isat):
Inductance drop:10% typ at Isat.
- 3 Heat rating current(Irms):
 $L@I_{rms}=\Delta T \leq 40^{\circ}C$.
- 4 Electrical specifications at25℃
- 5 Storage Temp:-40℃....+85℃
- 6 Operating Temp:-40℃....+85℃

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FI GO	QIONJINFU		W. J. J 