

CUSTOMER

KFT-107



SPECIFICATION FOR APPROVAL

MODEL NO. : RC 25X2.5-12mm-4.1uH-01

KEFEITE NO. : 107-RC25X2.5-0.04X100PX10TS-12mm-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

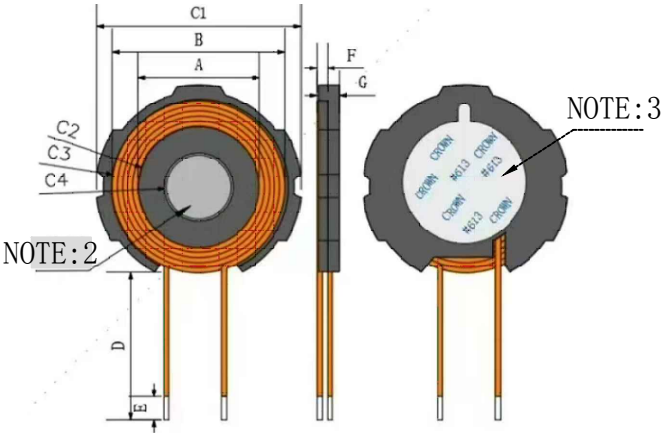
CUSTOMER:	KFT-107	VERSION:	A1	
CUSTOMER NO:	T1	PAGE:	2/4	
KFT P/N:	107-RC25X2.5-0.04X100PX10TS-25mm-4.1uH	Date:	2025/04/25	
VERSION	MODIFY THE CONTENT	Date	Drawn By	Checked By
A1	New Version	2025/04/25	FIG0	QIONJINFL 

NOTES:

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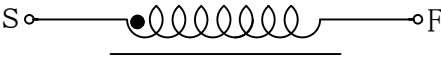
1. CONFIGURATION&DIMENSIONS:

	A	$\geq 14.1\text{mm}$
	B	$\leq 21.2\text{mm}$
	C1	$24.8 \pm 0.5\text{mm}$
	C2	$14.7 \pm 0.3\text{mm}$
	C3	$21.3 \pm 0.3\text{mm}$
	C4	$8.3 \pm 0.3\text{mm}$
	D	$12 \pm 1.0\text{mm}$
	E	$3 \pm 1.0\text{mm}$
	F	$\leq 1.34\text{mm}$
	G	$\leq 3.4\text{mm}$
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$\geq$3200GS) 3.Double sided adhesive tape on the back of the product 4.F Size thickness does not include release paper		

2. ELEETRICAL CHARACTER:

PROJECT	SPECFICTIONS	TEST CONDITIONS	TEST INSTRUMENT
(Ls) Coil	$2.5\mu\text{H} \pm 10\%$	100KHZ/1.0V	CH1062
(Ls)Coil+Core+Magnet	$4.4\mu\text{H} \pm 10\%$	100KHZ/1.0V	CH1062
(Ls)Coil+Core+Magnet+Iron Sheet	$4.1\mu\text{H} \pm 10\%$	100KHZ/1.0V	CH1062
(RDC)	$\leq 125\text{m}\Omega$	At:25℃	HG2512

3. SCHEMATIC



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

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4. PART NUMBERING:PRODUCT IDENTIFICATION

107	RC25X2.5	0.04X100PX10TS	12mm	4.1uH	
					Inductance
					Line Length
					Wire Diameter
					Magnetic Sheet Specification
					Customer number

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

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