

ROHS

CUSTOMER

KFT-130

SPECIFICATION FOR APPROVAL

MODEL NO. : 42. 5X5. 3X0. 8

KEFEITE NO. : 130-42. 5L-0. 08X48PX10TS-6. 7uH-15mm

CUSTOMER P/N:

DATE : 2022/08/29

REV : A1



ROHS standard

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.

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SHENZHEN KEFEITE ELECTRONICS CO., LTD

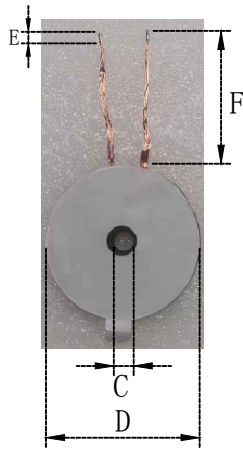
CUSTOMER:	KFT-130	VERSION:	A1	
CUSTOMER NO:		PAGE:	2/5	
KFT P/N:	130-42. 5L-0. 08X48PX10TS-6. 7uH-15mm	Date:	2022/08/29	
VERSION	MODIFY THE CONTENT	Date	Drawn By	Checked By
A1		2022/08/29	guoqinghu	

NOTES:

SHENZHEN KEFEITE ELECTRONICS CO., LTD

CUSTOMER:	KFT-122	VERSION:	A1
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KFT P/N:	122-41.5L-0.08X48PX10TS-6.7uH-15mm	Date:	2022/08/29

1. CONFIGURATION&DIMENSIONS:



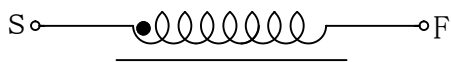
A	$20.5 \pm 1.0\text{mm}$
B	$37.5 \pm 1.0\text{mm}$
C	$5.3 \pm 0.5\text{mm}$
D	$41.5 \pm 1.0\text{mm}$
E	$3.0 \pm 1.0\text{mm}$
F	$15 \pm 1.5\text{mm}$
G	$0.7 \pm 0.1\text{mm}$
H	1.4mm MAX

1. Size 41.5X5.3X0.65mm

2. ELECTRICAL CHARACTER:

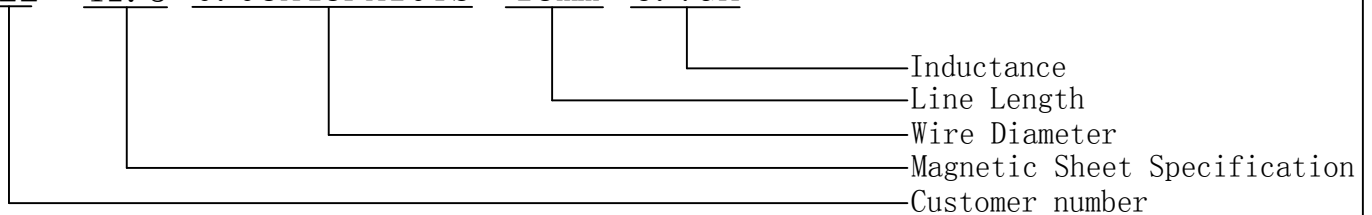
Project	Specifications	Test Condition	Test Instrument
(Ls)	$6.7 \pm 10\% \mu\text{H}$	100KHZ/1.0V	CH1062
(RDC)	95mΩ MAX	At: 25°C	HG2512
(Q)	≥ 35	100KHZ/1.0V	CH1062

3. SCHEMATIC



4. PART NUMBERING: PRODUCT IDENTIFICATION

122 41.5 0.08X48PX10TS 15mm 6.7uH



DRAWN BY:	CHECKED BY:	Q. C DEPT:	APPROVED BY:

SHENZHEN KEFEITE ELECTRONICS CO., LTD

CUSTOMER:	KFT-122	VERSION:	A1
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5. MATERIAL LIST:

NO	ITEM	DESCRIPTION	RATING	SUPPLIERS	UL NO.	REMARK
1	WIRE	Hot Air Line	155℃	SHANTOU SHENGANG ELECTRICAL INDUSTRIAL CO., LTD	E239508	
2	SOLDER	99.3/0.7		SHENZHEN Hong Xing Wei solder Limited		
3	CORE	41.5/5.3/0.65(开L槽)		Changxing BO Cheng Electronics CO., LTD		
4	EPOXY	1603HFR-HS		DONGBU FINE CHEMICAL CO LTD		
5	TAPE	PI 260℃		SU ZHOU MAILADUONA ELECTRIC 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):
 $L @ Irms = \Delta T \leq 40^{\circ}\text{C}$.
- 4 Electrical specifications at 25℃
- 5 Storage Temp: -40℃.....+85℃
- 6 Operating Temp: -40℃.....+85℃

Project	Test Condition	Criteria for judging
Isat	- Normal indoor environment is 25℃, - The DC current is applied in ten steps. - When the inductance value is stable, add the next current.	$Isat @ L_a \geq \% L_0$ L: Test inductance value after loading DC current. L0: Standard value without DC current loading
Irms	- Normal indoor environment is 25℃, no ventilation. - The DC current is applied in ten steps. 5 minutes between each step	$Irms @ \Delta T \leq 40^{\circ}\text{C}$ 1. ΔT is the surface temperature of the inductor, which is the rising temperature relative to the initial test temperature. 2. There should be no change in the color and shape of the inductive components.
$L(85^{\circ}\text{C})$	- Bake at 85℃ for 15 minutes, take out in time to test the inductance. - The product must be tested within 10 seconds, the temperature is about 85℃ TYP.	$L(85^{\circ}\text{C}) \approx L_s$ 1. L_s : Inductance standard value (25℃) $L(85^{\circ}\text{C})$: Inductance (85℃) 2. The rate of change of inductance is within the range of standard value

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