SPECIFICATIONFORAPPROVAL

MODELNO.:A11(T511S-V16)

VERSION :A1

KEFEITENO.:50-50-0.08X105PX10TS-6.3uH-5mm-01

DATE :2021/09/16

SHENZHENKEFEITEELEECTRONICSCO.,LTD

FactoryAddress:2/F,NeweraindustrialareaCBuilding
Guantiancommunity,Shenzhen.

TEL:86-755-27352660

FAX:86-755-27352742

HTTP:www.Kefeite.net(To learn more about Zixun, please v y's website)

SHENZHENKEFEITEELECTRONICSCO.,LTD

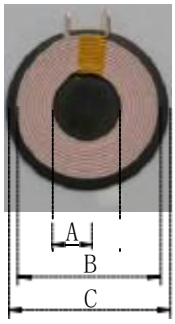
CUSTOMER:	KFT-050	VERSION:	A1	
KFT P/N:	50-0.08X105PX10TS-6.3uH-5mm-01	Date:	2021/09/16	
VERSION	MODIFY THE CONTENT	Date	Drawn By	Checked By
A1	Version	2021/09/16	Hu Guoqiang	Zhou Miao

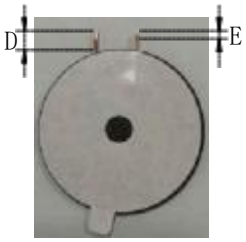
NOTES:

SHENZHENKEFEITEELECTRONICSCO.,LTD

CUSTOMER:	KFT-050	VERSION:	A1
CUSTOMERNO:		PAGE:	3/4
KFTP/N:	50-0.08X105PX10TS-6.3uH-5mm-01	Date:	2021/09/16

1. CONFIGURATION&DIMENSIONS:





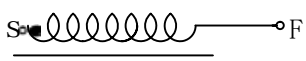
A	20.5±1.0mm
B	42.5±1.0mm
C	49±0.5mm
D	5±1.0mm
E	2.5±1.0mm
F	1.0±0.1mm
G	2.9mmMAX

1. Disc 50, disc thickness 1.0mm(straight slot)
2. H size does not include release paper thickness

2. ElEETRICALCHARACTER:

Project	Specifications	Test conditions	Testing instrument
Inductance (Ls)	6.3±10%uH	100KHZ/1.0V	CH1062
DC Resistance (RDC)	48moMAX	At:25℃	HG2512
Quality factor (Q)	≥50	100KHZ/1.0V	CH1062
Antenna Type	Coil	Antenna Gain	0dBi

3. SCHEMATIC



4. PART NUMBERING:PRODUCT IDENTIFICATION

50 50C 0.08X105PX10TS5mm6.3uH 01

- Serialnumber
- Inductance
- LineLength
- Wire Diameter
- Magnetic Sheet Specification
- Customer number

DRAWNBY:	CHECKEDBY:	Q.C DEPT:	APPROVEDBY:
Hu Guoqiang	Zhou Miao		Wan Jianjun

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CUSTOMER:	KFT-050	VERSION:	A1
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5.MATERIALLIST:

NO	ITEM	DESCRIPTION	RATING	SUPPLIERS	ULNO.	REMARK
1	WIRE	Hot air line	155℃	SHANTOUSHENGANGELECTRICAL INU\DUSTRIALCO.,LTD	E239508	
2	SOLDER	99.3/0.7		SHENZHENHongXingWei solderLimited		
3	CORE	50/1.0(Circular groove)		ChangxingBOChengElectronics CO.,LTD		
4	EPOXY	1603HFR-HS		DONGBUFINECHEMICALCOLTD		
5	TAPE	PI260℃		SUZHOUMAILADUONAELECTRIC MATERIALCO.,LTD	E188295	

6.GENERALSPECIFICATION:

1 Tested at1.0KHZ/0.25Vrms,0 Adc.
Averagecurrentfor 40℃temperaturerisefrom25℃.

2 Saturaioncurrent(Isat):
Inductance drop:10%typ atIsat.

3 Heatratingcurrent(Irms):
L@Irms=△T≤40℃.

4 Electricalspecificationsat25℃

5 StorageTemp:-40℃....+85℃

6 OperatingTemp:-40℃....+85℃

Project	Test conditions	Judgment criteria
Isat (Saturation current)	1. Normal indoor environment is 25 ℃ 2. Apply DC current in ten steps 3. Wait for the inductance value to stabilize before adding the next current step	Isat@.La≥*%L0 L: Test the inductance after loading DC current L0: The standard value of the unloaded DC current
Irms (Temperature rise current)	1. In a normal indoor environment of 25 ℃, ventilation is prohibited 2. Apply DC current in ten steps 3. The interval between each step is 5 minutes	Irms@△T≤40℃ 1. △ T is the surface temperature of the inductor, which is the rising temperature relative to the initial test temperature 2. There should be no changes in the color or appearance of inductive components
L(85℃)(Inductance)	1. Bake at 85 ℃ for 15 minutes, immediately remove and test the inductance. 2. The product must be tested within 10 seconds, with a temperature of approximately 85 ℃ TYP	L(85℃)~Ls 1. Ls: Inductance standard value (25 ℃) L (85 ℃): Inductance (85 ℃) 2.The rate of change of inductance is within the range of standard values

DRAWNBY:	CHECKED BY:	Q.C DEPT:	APPROVEDBY:
Hu Guoqiang	Zhou Miao		Wan Jianjun