



Tx Coil	<b>Product Name</b>	<b>Customer Code</b>	YB.B.TXT.018 (MP-A2)
	<b>Company Code</b>	RKT0005028-0110A13ARN1	
	<b>Version</b>	<b>1.0</b>	

### 1. Part No Example: YB.B.TXT.018

Company		Name	Size Code (UNIT:mm)	Hyphens	Base	WireSize (UNTI:mm)	Wire count	Turns	Coil Count	Color	Thermistor
R	K	T	1 2 0 7 0 3 7	-	AL	1 0 0	A	1 2	C	R	N2
			0 0 0 4 7 3 8								
Rui	Kai	Tx	square:120*70*3.7 circular: φ47*3.8	-	Aluminum	1.0	1	12	3	Red	NTC
					PB:PCB		A:1		A:1	Y: Yellow	N1: No
					PL: Plastic		B:2		B:2		N2:USE
					No:0		C:3		C:3		
							.....		.....		

### 2. Specification Definition

This specification provides YB.B.TXT.018 Tx Coil exterior construction, technical requirements, test methods, inspection rules, packaging requirements. This specification of the Tx Coil applicable to YB.B.TXT.018.

### 3. Operating & Storage Condition

Operating Temp : -40 ~ +85oC

Storage Temp : -40 ~ +85oC

Storage Life Time : 12 Month @ 25°C , RH 40~65%

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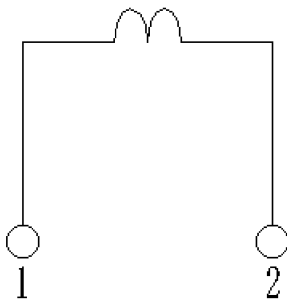


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#### 4. Electrical and Characteristics

No.	Measuring Item	Terminal	Spec	Tolerance	TEST FREQUENCY	Remark
1	☆CTQ Inductance	1-2	11.1uH	Min	@ 100kHz; 1.0V	
2	DC Resistance	1-2	52.0mΩ	+10%, -10% (57.2~46.8)		@25°C±2
3	Q	1-2	110	+10%, -10% (121~99)	@ 100kHz; 1.0V	@25°C±2

#### 5. Electric Circuit



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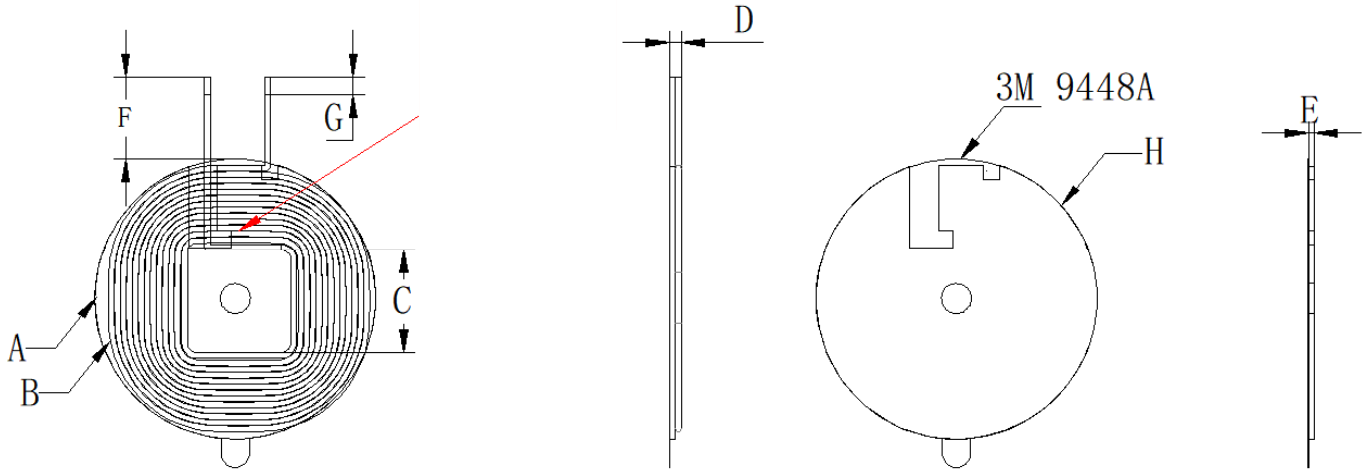
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**6. Dimension**

6-1 . Unit : mm



A	B	C	D	E	F	G	H
50.0±0.5	48±1	20±0.5	2.8Max	1±0.1	16±1	3±1	49.5±0.5

6-2 . Winding Specification

No	TERMINAL	TURNS	Wire	Winding method
1	1-2	13T	0.08Ø x 105 125°C B CLASS	Solenoid

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**7. Quality standards**

**7.1. Appearance**

- PCB welding condition is good.
- The winding of the coil is in good condition.
- Components welding are good, there are no error models.

**7.2. Dimensions**

- The size value indicated on the drawing must be satisfied.

**7.3. Inductance**

- At room temperature(25°C±2°C,30%~70% RH) to meet the Specification Electrical.
- LCR Meter for ON, test condition(100kHz, 1V), L value determination.

**7.4. Leakage Current**

- Room temperature(25°C±2°C,30%~70% RH) to meet the Specification Electrical.

**7.5. H-Voltage Test**

- Room temperature(25°C±2°C,30%~70% RH) to meet the Specification Electrical.
- Pressure test machine, in order to 1sec 1800 AC Setting V Line to between GND, after the exception.

**7.6. Insulation Resistance**

- Room temperature(25°C±2°C,30%~70% RH) to meet the Electrical Specification.
- The insulation resistance of DC voltage of 500V, Line to GND between the insulation resistance measurement.

**7.7. Temperature Humidity Test**

- 40°C, 90% ~ 95% RH, after the 96hr test at room temperature for 1 hour after the determination of electrical characteristics.

**7.8. High Temperature / Low Temperature Test**

- 80°C, after the 96hr test at room temperature for 1 hour after the measurement of electrical characteristics to meet.
- -25°C, after the 96hr test at room temperature for 1 hour after the measurement of electrical characteristics to meet.

**7.9. Cold and Heat Shock Test**

- -40°C(30min) +85°C (30min) : 1cycle. Finishing 300cycles, after 1 hour at room temperature test the electrical characteristics items.

**7.10. Structure**

- Between terminal and terminal 10kgf in 10seconds without abnormal tension.

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8. Material List

No.	Material Name	Spec	Param	Remark
1	Magnetic core	Pc95	Ø50*1.0T	
2	Coil Block	Silk copper wire	0.08Ø x 105 125°C	
3	Glue	HT-900	/	
4	Solder	Pb-Free	Sn-Cu 99.3	
5	ADH	3M-9448A	Φ 50	

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**9. Acceptance Rule**

9.1. Inspection is divided into batch inspection and periodic inspection

9.2. Batch by batch inspection

- Sampling plan for batch inspection shall conform to the provisions of the first sampling plan of GB2828-2003
- Batch inspection of the project, the order, the inspection level, the quality level AQL see Table 3
- Batch inspection is not qualified, to deal with the batch of products for 100% critical, critical products, can be submitted to the inspection

9.3. Periodic Inspection

- Periodic inspection is carried out once a year.
- Periodic inspection of samples from one year to produce the day of random sampling, all samples should be carried out according to the batch. for inspection. If there are substandard goods, then the qualified goods in exchange for the analysis of the reasons for the write cycle inspection report, but not as a result of the periodic inspection of the basis for identification.
- The periodic inspection plan shall conform to the provisions of the GB2829 on a sampling plan for periodic inspection.
- Periodic inspection of the project, the standard terms, the quality of substandard RQL, the number of samples, the level of discrimination should be in accordance with the provisions.

**10. Storage Requirement**

Under normal atmospheric conditions can be shipped within 90 days, more than 90 days of product needs to be retested in accordance with the test process can be shipped after retest

**11. Appearance Requirement**

Integrity and clean surface. The label has to be correct position and direction.  
Color and clearly marked. Terminal without tilt and, parts are complete.

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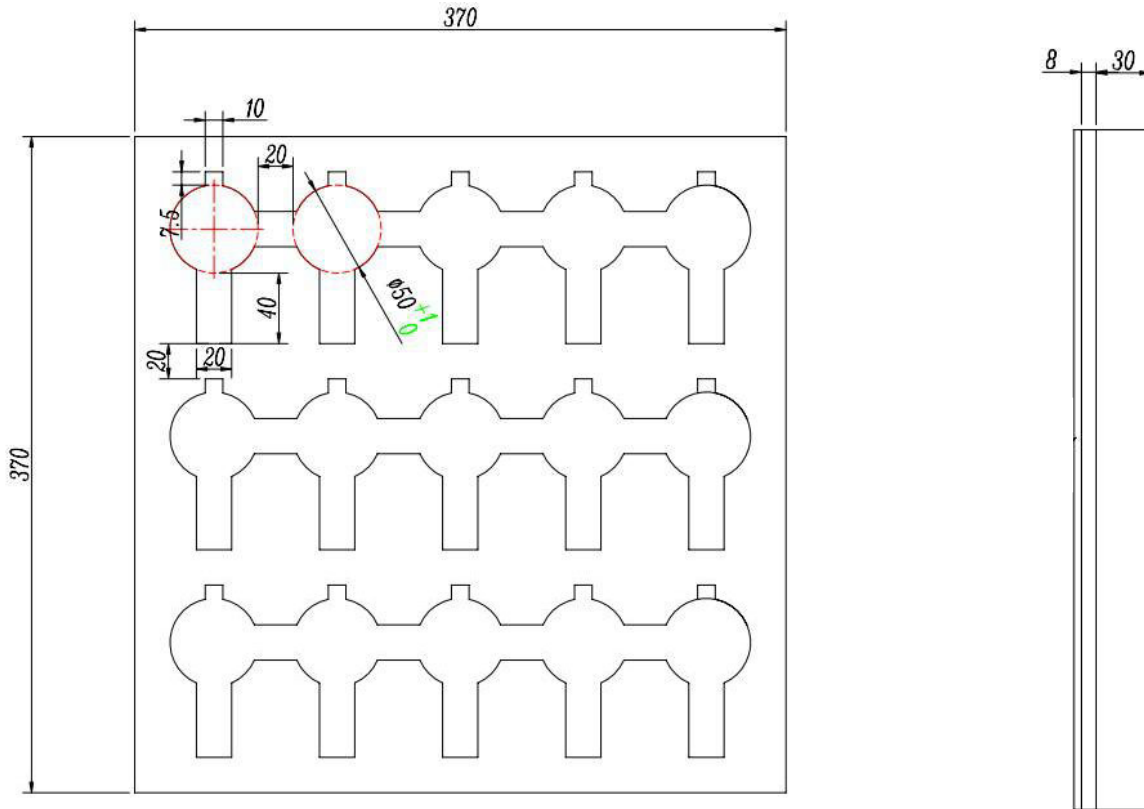
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## 12. Packing



Material: Pearl cotton packaging

Box:

- 1、150pcs Each layer
- 2、6layer Each box
- 3、900pcs Each box

Weight: 1PCS=15.65g

1box=14.5kg

## 13. Quality Requirement

Soldering Condition should meet the specification.

Assay Condition should meet the specification.

All of Components should meet the specification.

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