

SPECIFICATION

TO:STE

Model Name: SAW Resonator

PART NO: SSR433.92N01F11

CUSTOMER PART NO.:

Approval sheet 样品承认书:

Approved?	Yes
	No.
Customer's comments are welcomed here.	
Pls return this copy as a certificate of your approval by email.	
Approved By	Date: _____

STRONG ELECTRONICS&TECHNOLOGY LIMITED

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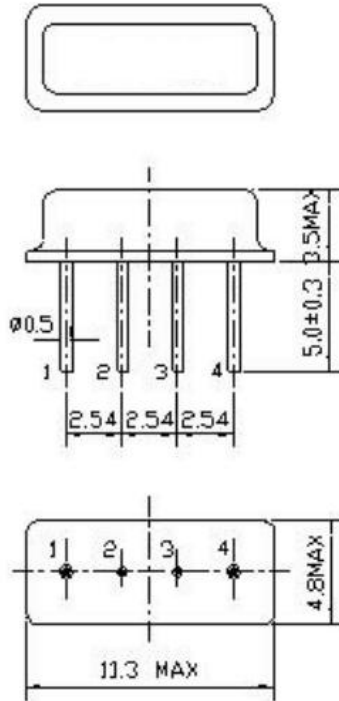
Email:info@strongelectronics.net

www.sawfilter.cn

1. Package Dimension

(F11)

Unit: mm



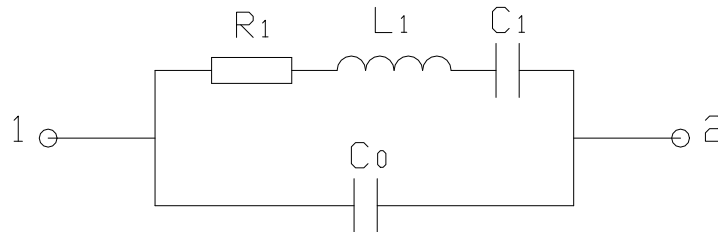
Pin No.	Function
Pin 1	Input
Pin 4	Output
Pin 2,3	Ground

2. Marking

R433

1. Black Ink Marking
2. R: 1 Port SAW Resonator
3. 433.92: Center Frequency

3. Equivalent LC Model



4. Performance

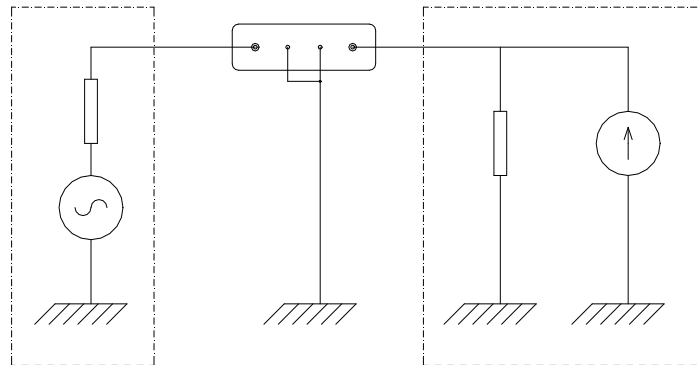
4.1 Maximum Rating

Item	Value
Operation Temperature Range	-40°C to +80°C
Storage Temperature Range	-45°C to +85°C
DC Voltage	10V
Source Power	0 dBm

4.2 Electronic Characteristics

Item	Units	Minimum	Typical	Maximum
Center Frequency (fo)	MHz	433.845	433.92	433.995
Insertion Loss	dB	—	1.5	2.0
Quality Factor				
Unloaded Q	—	—	11,000	—
50Ω Loaded Q	—	—	2,000	—
Temperature Stability				
Turnover Temperature	°C	—	25	—
Freq. Temp. Coefficient	ppm/°C	—	0.032	—
Frequency Aging	ppm/yr	—	<±10	—
DC Insulation Resistance	MΩ	1.0	—	—
RF Equivalent RLC Model				
Motional Resistance R1	Ω	—	18	26
Motional Inductance L1	μH	—	86	—
Motional Capacitance C1	fF	—	1.56	—
Shunt Static Capacitance C0	pF	1.7	2.0	2.3

4.3 Test Circuit



Note: Reference temperature shall be $25 \pm 2^\circ\text{C}$. However, the measurement may be carried out at 5°C to 35°C unless there is a dispute.

6. Remarks

6.1 Static voltage

Static voltage between signal load & ground may cause deterioration & destruction of the component. Please avoid static voltage.

6.2 Ultrasonic cleaning

Ultrasonic vibration may cause deterioration & destruction of the component. Please avoid ultrasonic cleaning.

6.3 Soldering

Only leads of component may be soldered. Please avoid soldering another part of component.

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