StrongFirst

SPEC NO.: SRD-002L

SPECIFICATION

TO:STE
Model Name: SAW Resonator
PART NO: SSR407N01F11
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

深圳市思硕电子科技有限公司

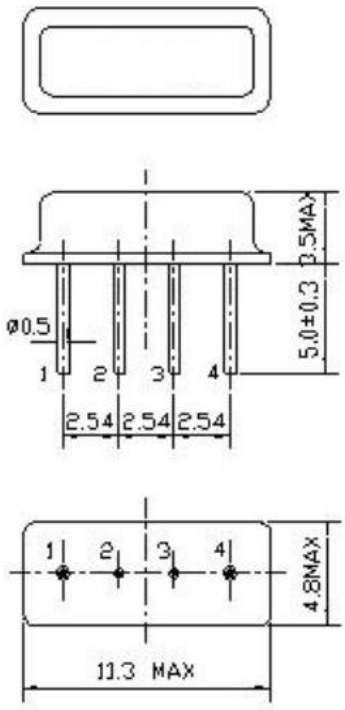
Service Hotline:86 755 8985 Fax: 86 755 84528986
Email:info@strongelectronics.net
www.sawfilter.cn

History Record

Date	Part No.	SPEC No.	Description.	Remarks.
2012-3-28	SSR407N01F11		Initial issue	
RoHS Compliant Lead free Lead-free soldering	ISO9001:2000 ISO14001:2004	**Approved by**	**Check by**	**Design by**
		May-15-2007	**May-10-2005**	**Jan-16-1999**
Reversions	**Total Page**	*Xu gang dong*	*Ai wei*	*Wang hon*
SRD-002L				

1. Package Dimension

(F11) Unit: mm



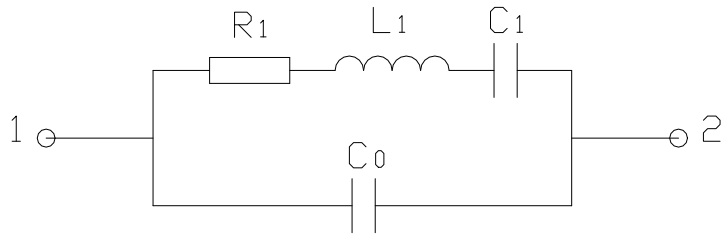
Pin No.	Function
Pin 1	Input
Pin 4	Output
Pin 2.3	Ground

2. Marking

R407A

1. Black Ink Marking
2. N: Product Code
3. 01: One-port SAW Resonator
4. 418: Center Frequency

3. Equivalent LC Model



4. Performance

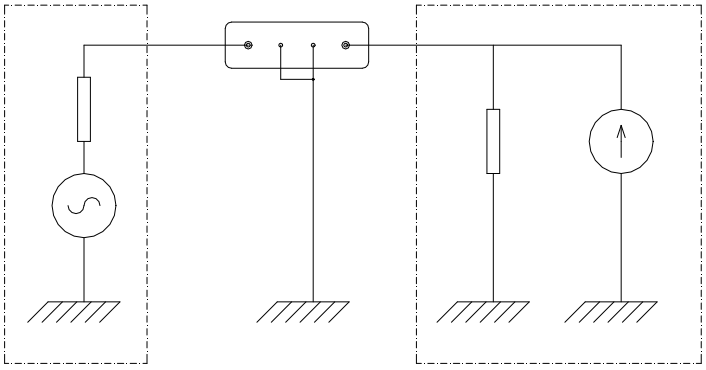
4.1 Maximum Rating

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

4.2 Electronic Characteristics

Item	Units	Minimum	Typical	Maximum
Center Frequency (fo)	MHz	407.225	407.30	407.375
Insertion Loss	dB	—	1.5	2.0
Quality Factor				
Unloaded Q	—	—	11,000	—
50Ω Loaded Q	—	—	2,000	—
Temperature Stability				
Turnover Temperature	℃	—	25	—
Freq. Temp. Coefficient	ppm/℃	—	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±2℃. However, the measurement may be carried out at 5℃ to 35℃ 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.