



SPEC NO.: SRS-008M

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## **SPECIFICATION**

TO:STE Model Name: SAW RESONATOR **PART NO: SSR868.35N02S3030** CUSTOMER PART NO.: Approval sheet:

	Yes
Approved	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

Tel:86-755-84528985 Fax: 86-755-84528986 Email:info@strongelectronics.net www.sawfilter.cn

# History Record

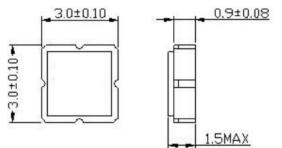
Date	Part No.	SPEC No.	Description.	Remarks.
				Daviera har
RoHS Compliant Lead free Lead-free soldering	ISO9001:2000 ISO14001:2004	Approved by May-15-2009	Check by May-10-2006	Design by Jan-16-2005
Reversions	Total Page	Xu gang dong		Wang hon



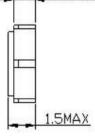
### 1. Package Dimension

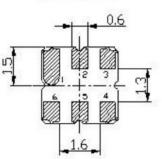
(S3030)

Unit: mm









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Pin No.	Function
Pin 2	Input
Pin 5	Output
Other	Ground

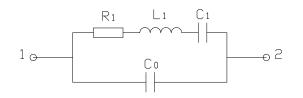
#### 2. Marking

R868

- WF7
- (1) Ink Marking or Laser Marking
- (2) R: Products code (3) 868: Model code
- (4) .: Pin 1 Identifier
- (5) W: Tolerance code (+/-150KHz)
- (6) F7: Date code



#### 3.Equivalent LC Model



#### 4. Performance

#### 4.1 Maximum Rating

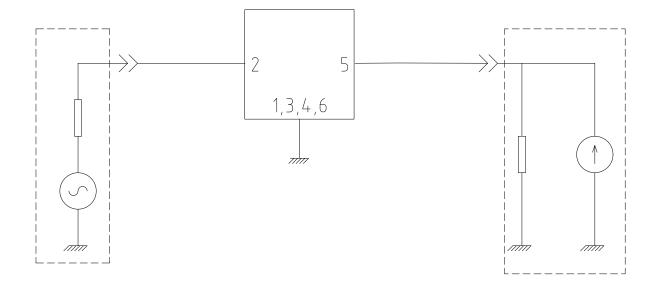
5	
Item	Value
Operation Temperature Range	-40℃ to +85℃
Storage Temperature Range	-45℃ to +85℃
DC Voltage	12V
Source Power	0 dBm

#### 4.2 Electronic Characteristics

Item	Units	Minimum	Typical	Maximum
Center Frequency (fo)	MHz	868.20	868.35	868.50
Insertion Loss	dB		1.5	2.5
Quality Factor				
Unloaded Q	_	—	8,000	—
50Ω Loaded Q			1,300	—
Temperature Stability				
Turnover Temperature	°C		25	—
Freq. Temp. Coefficient	<b>ppm/℃</b>		0.032	
Frequency Aging	ppm/yr		<±10	—
DC Insulation Resistance	MΩ	1.0	_	—
RF Equivalent RLC Model				
Motional Resistance R1	Ω	_	18	—
Motional Inductance L1	μH		25.2	—
Motional Capacitance C1	fF		1.20	—
Shunt Static Capacitance C0	pF	<u> </u>	1.6	



#### 4.3 Test Circuit



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