



SPEC NO.: SRS-008M

SPECIFICATION

TO:STE1017

Model Name: SAW RESONATOR

PART NO: SSR868.35N03S3030

CUSTOMER PART NO.:

STRONG ELECTRONICS&TECHNOLOGY LIMITED

Tel:86-755-84528985,28471505 Fax: 86-755-84528986

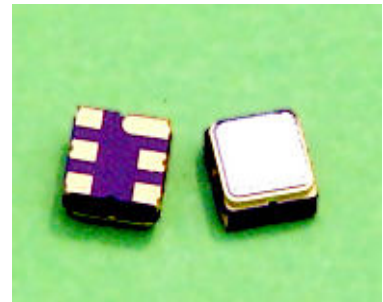
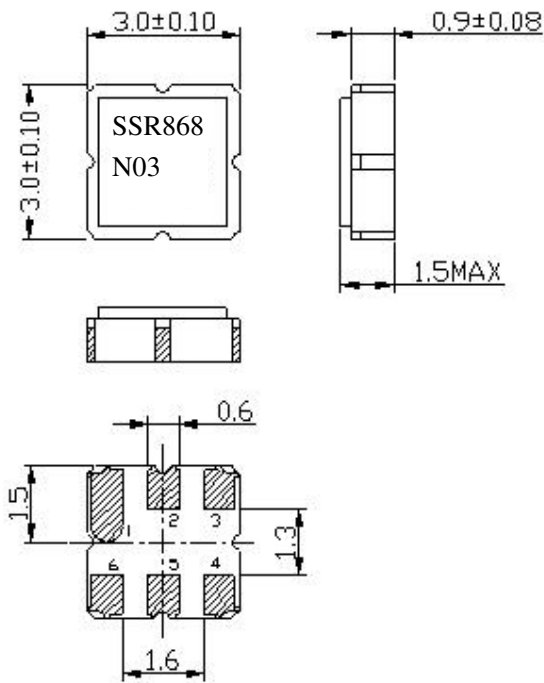
Email:info@strongelectronics.net

www.sawfilter.cn

1. Package Dimension

(S3030)

Unit: mm



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

2. Marking

SSR868

• N03F7

(1) Ink Marking or Laser Marking S:STRONG

(2) SR: Products code

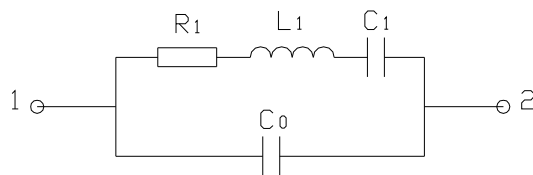
(3) 868: Model code

(4) • : Pin 1 Identifier

(5) N03: Tolerance code (+/-150KHz)

(6) F7: Date code

3. Equivalent LC Model



4. Performance

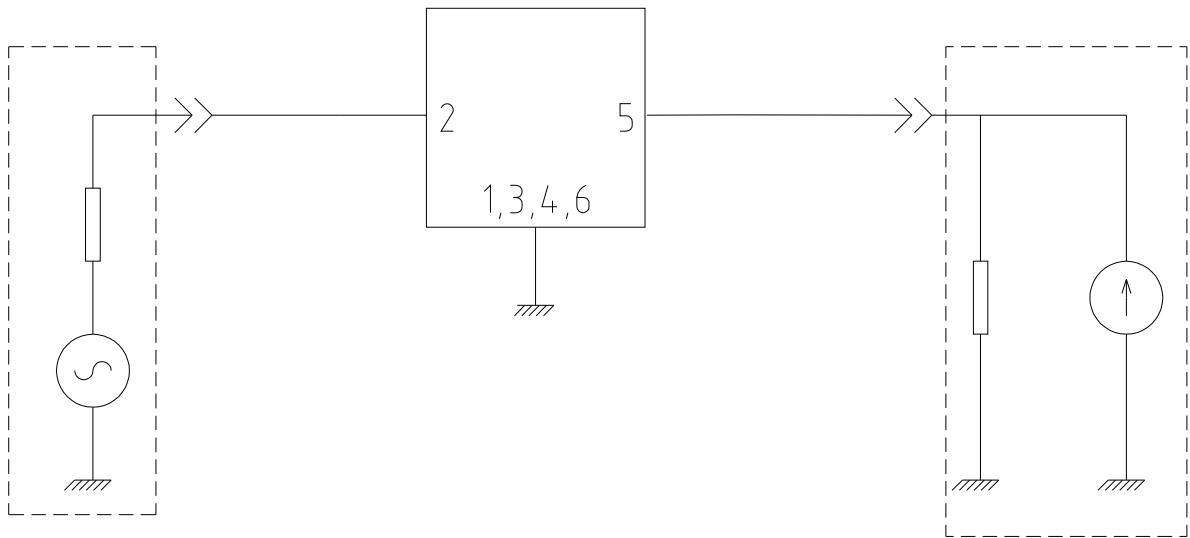
4.1 Maximum Rating

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	□	—	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	—
Motional Inductance L1	μH	—	25.2	—
Motional Capacitance C1	fF	—	1.20	—
Shunt Static Capacitance C0	pF	—	1.6	—

4.3 Test Circuit



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