



SPEC NO.: RFS-025M

Specification

TO:STE

Model Name: RF SAW FILTER

PART NO: SSF868.35N02S5050

CUSTOMER PART NO.:

STRONG ELECTRONICS&TECHNOLOGY LIMITED

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

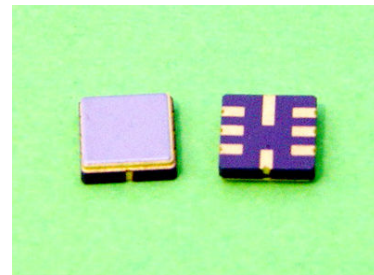
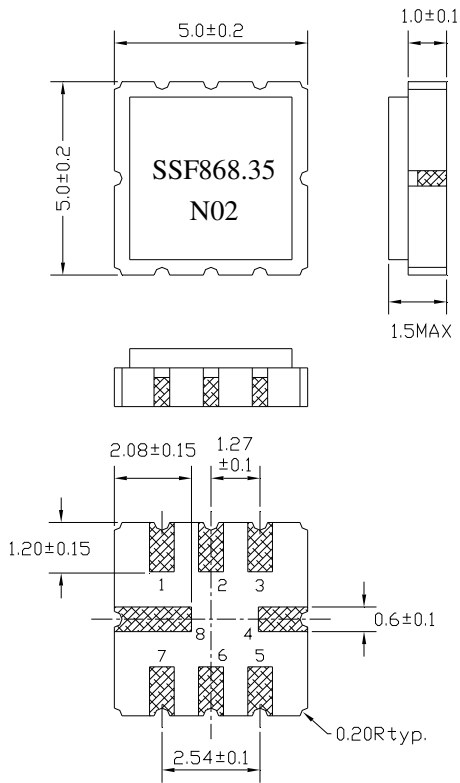
Email:info@strongelectronics.net

www.sawfilter.cn

1. Package Dimension

(S5050)

Unit: mm



| Pin No. | Function |
|---------|----------|
| Pin 2 | Input |
| Pin 6 | Output |
| Others | Ground |

2. Marking

SSF868
N02
• G0

- (1) Ink Marking or Laser Marking
- (2) SSF: Manufacture's logo:STRONG
- (3) N02: Model code
- (4) • : Pin 1 Identifier
- (5) G0: Date code



| Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|
| Month code | A | B | C | D | E | F | G | H | I | J | K | L |

e.g.: "G0" means July of 2010

3. Performance

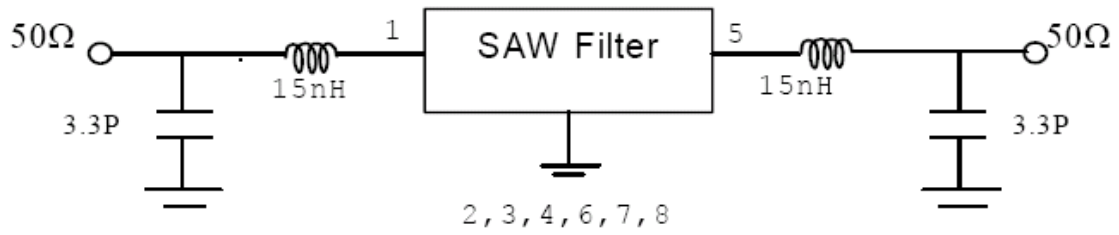
3.1 Maximum Rating

| Item | Value |
|-----------------------------|----------------|
| Operation Temperature Range | -45°C to +90°C |
| Storage Temperature Range | -45°C to +90°C |
| DC Permissive Voltage | 10V DC max. |
| Maximum Input Power | 0 dBm |

3.2 Electronic Characteristics

| Item | Min. | Typ. | Max. |
|--|-------|--------------|-------|
| Center Frequency (Fc) | - | 868.30MHz | - |
| Insertion Loss (868 MHz ~ 868.78 MHz) | - | 2.7dB | 4.2dB |
| Pass band | - | | |
| 868 MHz ~ 868.78 MHz | | 1.0dB | 3.0dB |
| 867.9 MHz ~ 868.88 MHz | | 1.5dB | 6.0dB |
| Pass bandwidth BW_3 KHz | | 1500 | |
| Stop-band Attenuation: | | | |
| 10 MHz ~700 MHz | 50 dB | 55 dB | - |
| 700 MHz ~ 830 MHz | 40 dB | 45 dB | - |
| 830 MHz ~850 MHz | 35 dB | 40 dB | - |
| 850 MHz ~ 865.02 MHz | 25 dB | 28 dB | - |
| 871 MHz ~ 874.5 MHz | 11 dB | 15 dB | - |
| 874.5 MHz ~ 883 MHz | 16 dB | 21 dB | - |
| 883 MHz ~ 900 MHz | 30 dB | 35 dB | - |
| 900 MHz ~ 1000 MHz | 40 dB | 45 dB | - |
| Impedance at Fc | | | |
| Input $Z_{IN}=R_{IN}/C_{IN}$ | | 117Ω //3.7pF | |
| Output $Z_{OUT}=R_{OUT}/C_{OUT}$ | | 117Ω //3.7pF | |

3.3 Test Circuit



3.3 Frequency Characteristics

