

- BandV, RF-Tx SAW Filter
- Revision 0: July 2015

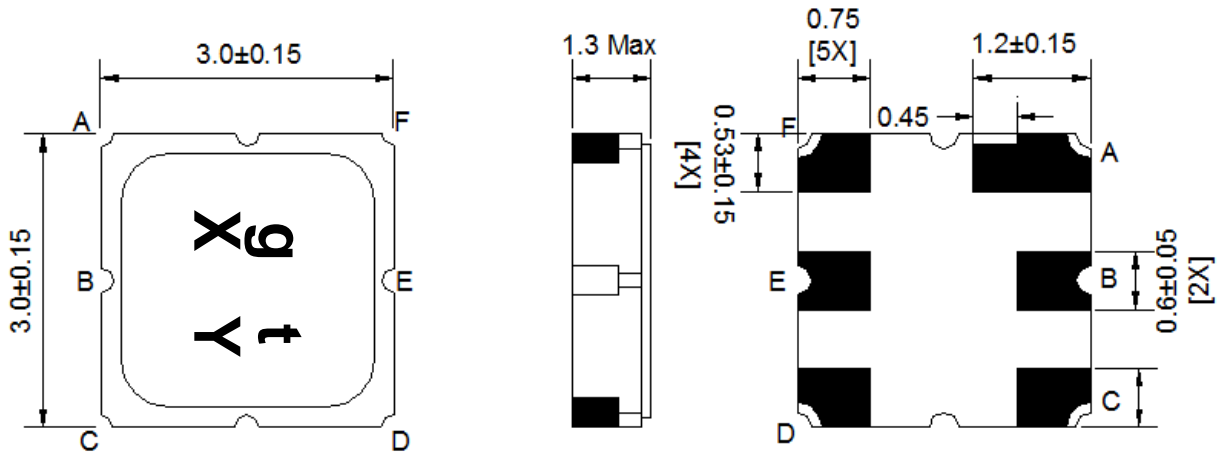
Electrical Characteristics

| MAXIMUM RATINGS | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -30 | - | +85 |
| Storage Temperature Range | °C | -45 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 27 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | S20 | | | |
| Length x Width | mm ² | - | 3.0 x 3.0 | - |
| Height | mm | - | - | 1.3 |

| ELECTRICAL SPECIFICATION | | | | |
|---|-------------------|---------|---------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Center Frequency (Fo) | MHz | - | 836.5 | - |
| Insertion Loss within 824.0 ~ 849.0 MHz | dB | - | 2.6 | 3.0 |
| Amplitude Ripple within 824.0 ~ 849.0 MHz | dB _{p-p} | - | 0.8 | 1.5 |
| Attenuation: | | | | |
| D.C ~ 800.0 MHz | dB | 40 | 57 | - |
| 869.0 ~ 894.0 MHz | dB | 30 | 33 | - |
| 894.0 ~ 1049.0 MHz | dB | 38 | 46 | - |
| VSWR within 824.0 ~ 849.0 MHz | - | - | 1.7 | 2.1 |

Notes: (1) No Matching Network

Package Dimensions



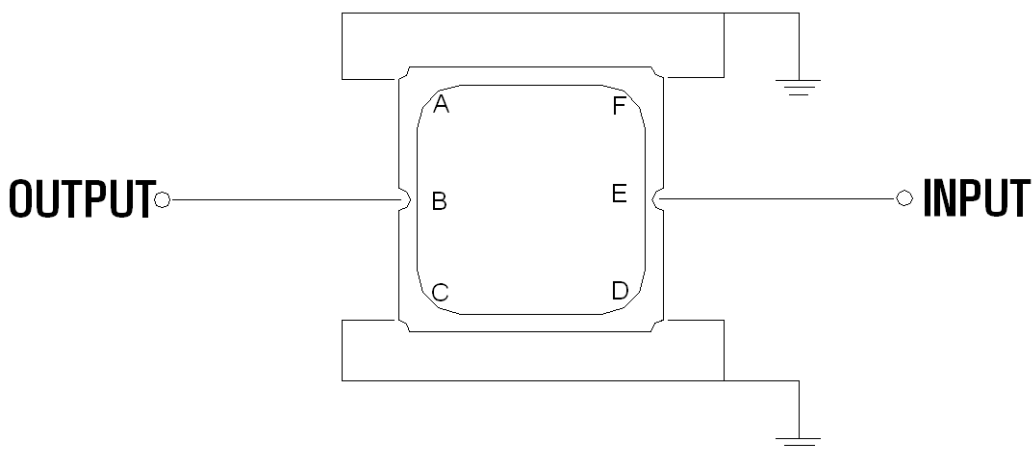
Marking Descriptions

| | |
|---|-------------------|
| g | BandV Application |
| t | Series Number |
| X | Date Code (Year) |
| Y | Date Code (Month) |

Pin Description

| | |
|------------|-----------|
| A, C, D, F | Ground |
| E | In or Out |
| B | Out or In |

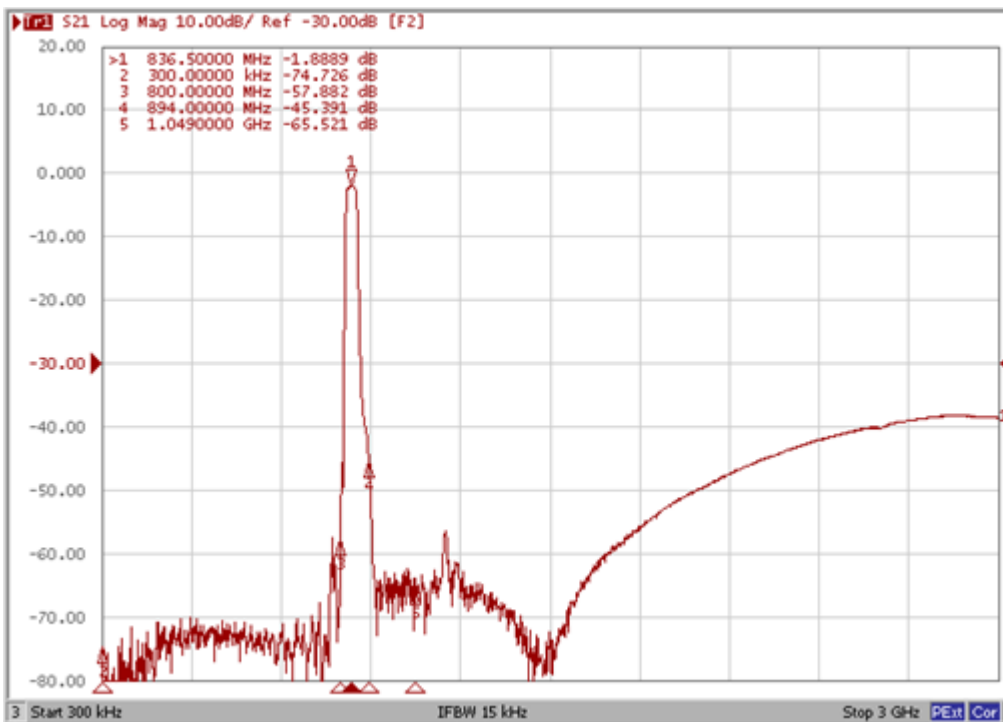
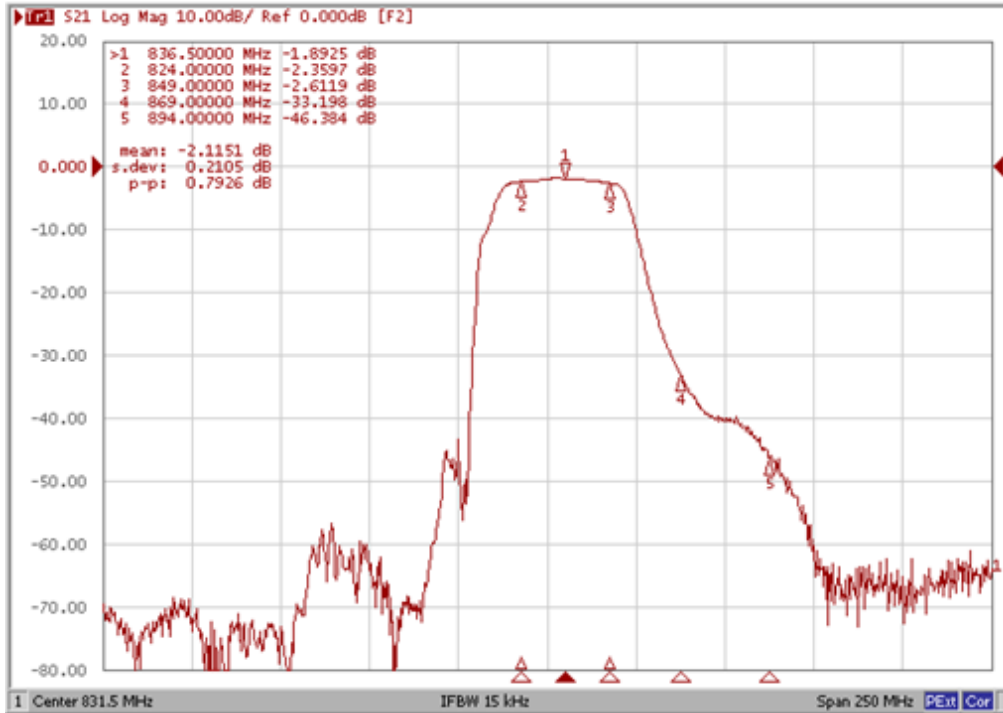
Testing Environment



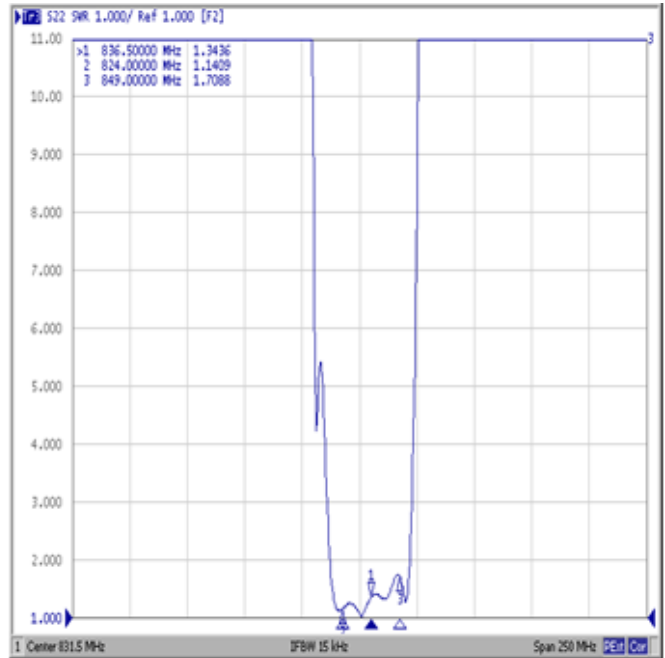
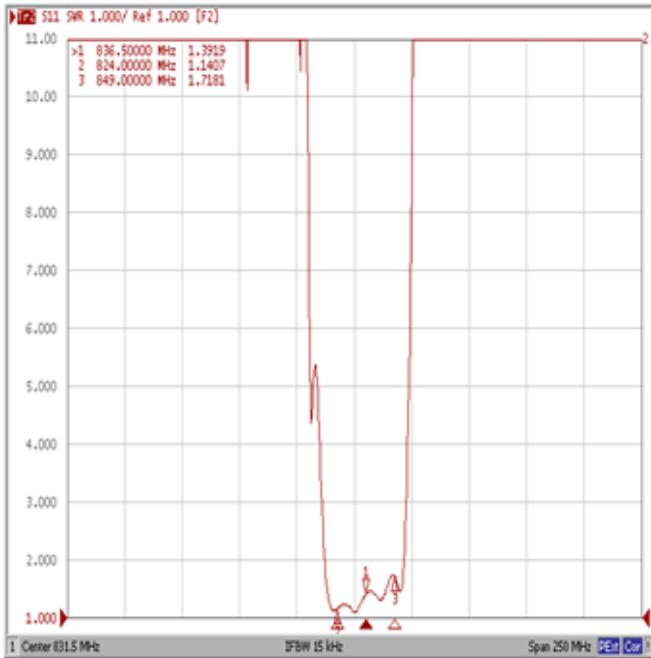
Source & Load Impedance: 50Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

