



Total Solution Provider in Saw Device

SF-260505-S20

Band41, RF SAW Filter
Revision 1: May 2014



- Electrical Characteristics
 - Package Dimensions
 - Testing Environment
 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

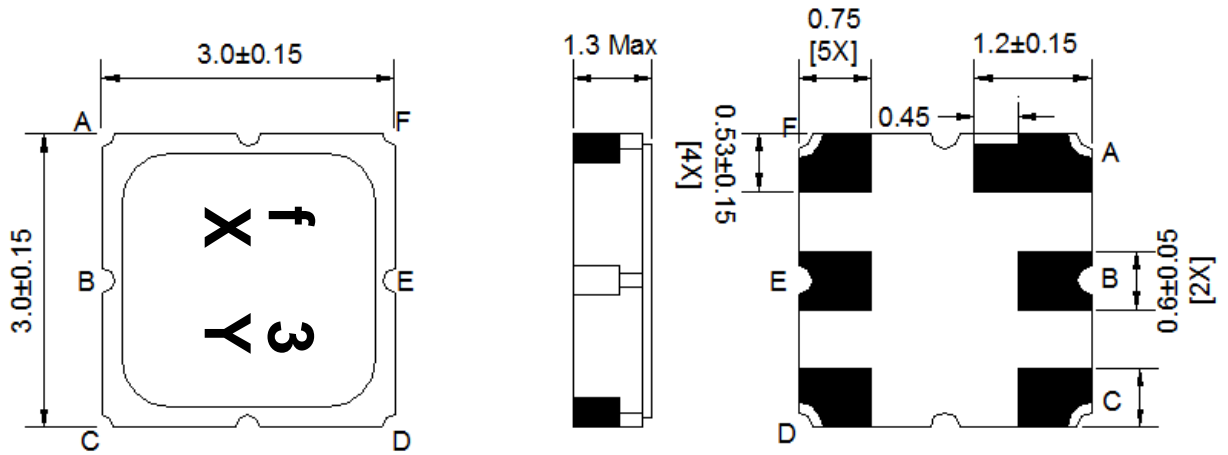
| Parameters Description | Unit | Minimum | Typical | Maximum |
|--|-----------------|---------|-----------|---------|
| Operating Temperature Range | °C | -40 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 0 |
| Maximum Input Power | dBm | - | - | 28 |
| 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 | - | 2605.0 | - |
| Insertion Loss within 2575.0 ~ 2635.0 MHz | dB | - | 3.2 | 4.0 |
| Amplitude Ripple within 2575.0 ~ 2635.0 MHz | dB _{p-p} | - | 1.5 | 2.2 |
| Absolute Delay within 2575.0 ~ 2635.0 MHz | nsec | - | 9 | 20 |
| Group Delay variation within 2575.0 ~ 2635.0 MHz | nsec | - | 5 | 20 |
| Attenuation: | | | | |
| D.C. ~ 800.0 MHz | dB | 30 | 39 | - |
| 800.0 ~ 2200.0 MHz | dB | 30 | 37 | - |
| 2200.0 ~ 2300.0 MHz | dB | 40 | 50 | - |
| 2300.0 ~ 2400.0 MHz | dB | 30 | 40 | - |
| 2400.0 ~ 2500.0 MHz | dB | 30 | 34 | - |
| 2500.0 ~ 2535.0 MHz | dB | 15 | 34 | - |
| 2535.0 ~ 2570.0 MHz | dB | 1 | 4 | - |
| 2640.0 ~ 2675.0 MHz | dB | 1 | 3 | - |
| 2675.0 ~ 2700.0 MHz | dB | 15 | 23 | - |
| 2700.0 ~ 3500.0 MHz | dB | 30 | 34 | - |
| VSWR within 2575.0 ~ 2635.0 MHz | - | - | 1.3 | 1.8 |

Notes : (1) With Matching Network .

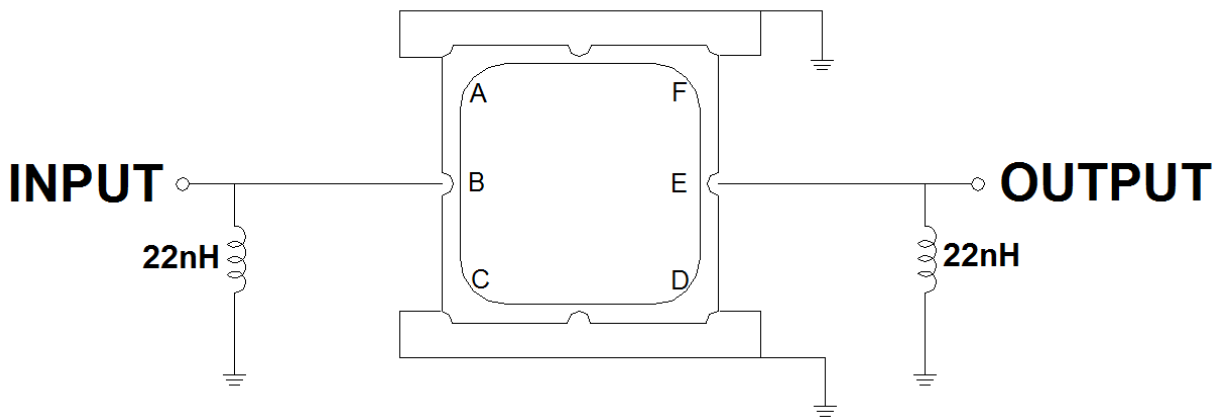
□ Package Dimensions



| Marking Descriptions | |
|----------------------|---------------------|
| f | Band41, Application |
| 3 | 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

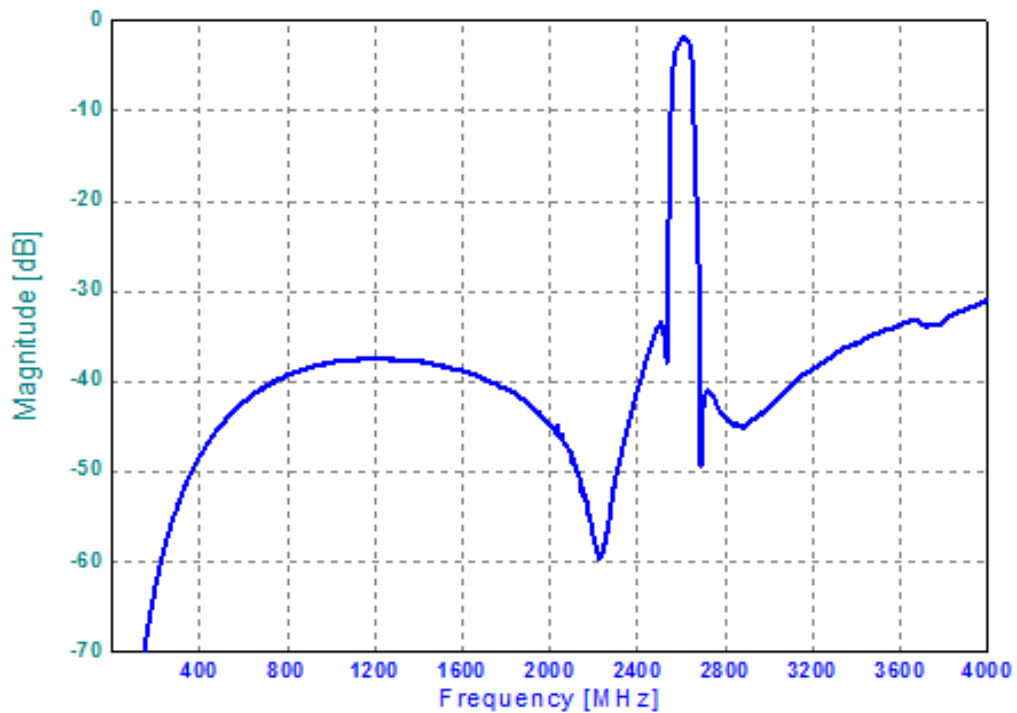
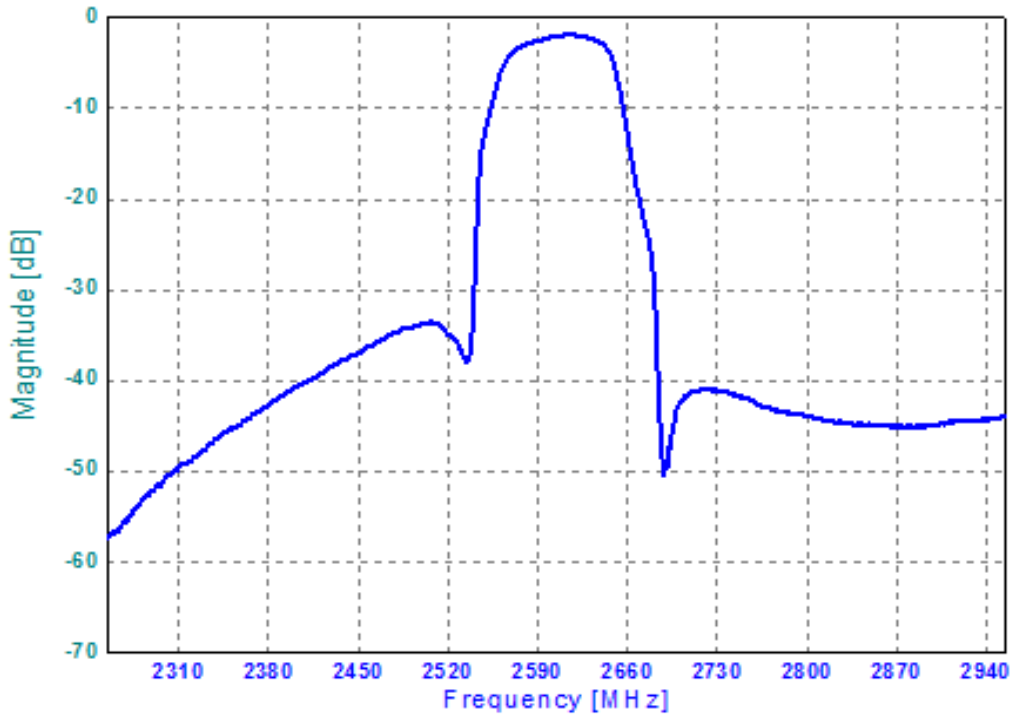


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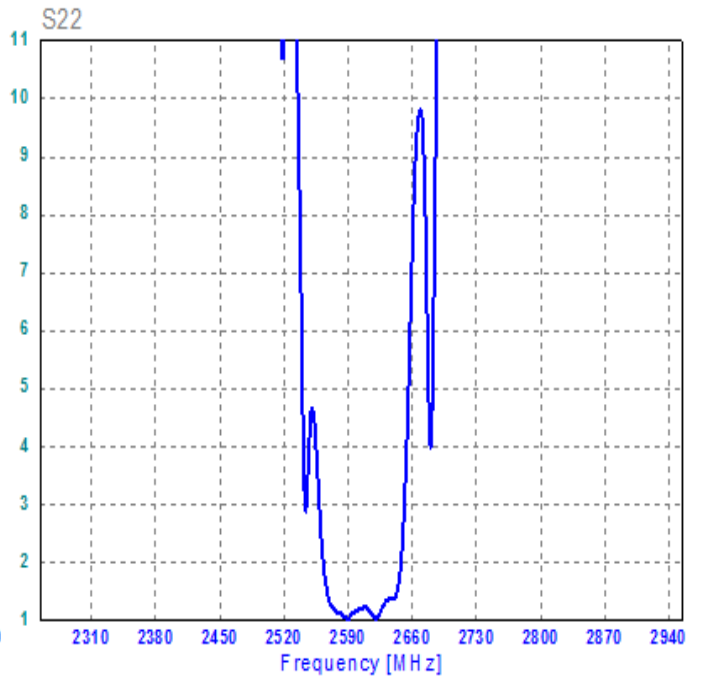
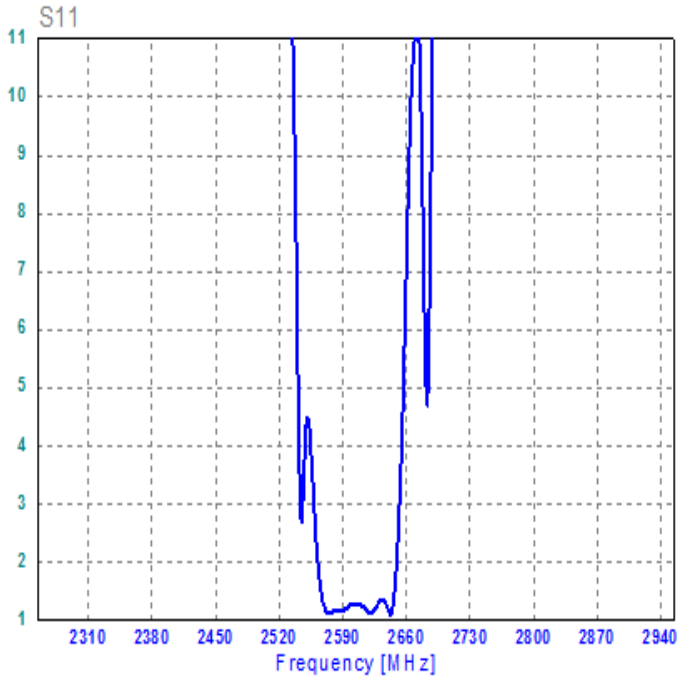
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

