

- CDMA450 H-Band, RF-Tx SAW Filter
- Revision 0: April 2007

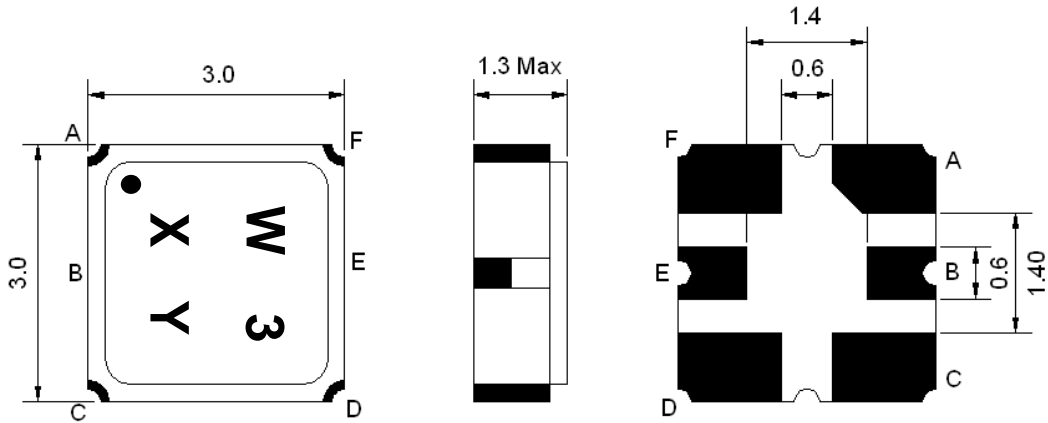
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| PARAMETERS DESCRIPTION | UNIT | MINIMUM | TYPICAL | MAXIMUM |
| Operating Temperature Range | °C | -30 | - | +80 |
| Storage Temperature Range | °C | - | - | - |
| Maximum DC Voltage | V | - | - | 5 |
| Maximum Input Power | dBm | - | - | 31 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | M2 | | | |
| 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 | - | 453.65 | - |
| Insertion Loss within 451.3 ~ 456.0 MHz | dB | - | 1.5 | 2.8 |
| Stop Band Attenuation: | | | | |
| D.C. ~ 350.0 MHz | dB | 30 | 33 | - |
| 350.0 ~ 440.0 MHz | dB | 25 | 30 | - |
| 461.3 ~ 462.3 MHz | dB | 35 | 45 | - |
| 462.3 ~ 464.5 MHz | dB | 40 | 50 | - |
| 464.5 ~ 466.0 MHz | dB | 35 | 45 | - |
| 466.0 ~ 850.0 MHz | dB | 30 | 35 | - |
| 850.0 ~ 950.0 MHz | dB | 28 | 33 | - |
| 950.0 ~ 1500.0 MHz | dB | 25 | 33 | - |
| 1500.0 ~ 2100.0 MHz | dB | 10 | 35 | - |
| VSWR within 451.3 ~ 456.0 MHz | - | - | 1.6 | 2.0 |

Notes: (1) No Matching Network.

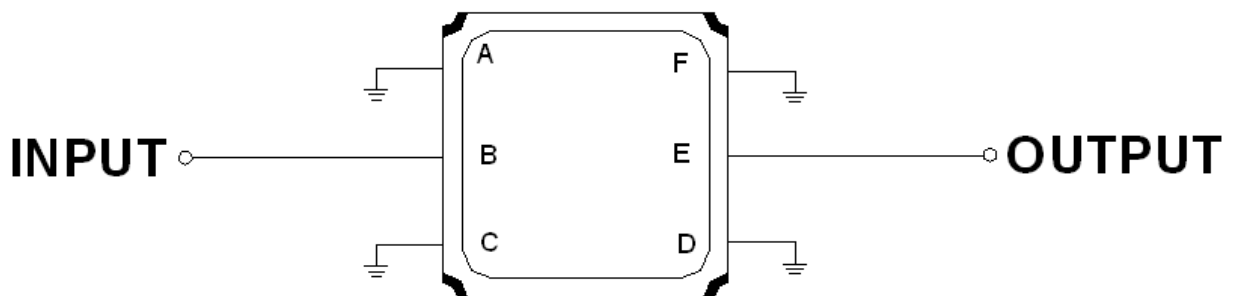
Package Dimensions



| Marking Descriptions | |
|----------------------|---------------------|
| W | CDMA450 Application |
| 3 | Series Number |
| X | Date Code (Year) |
| Y | Date Code (Month) |

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

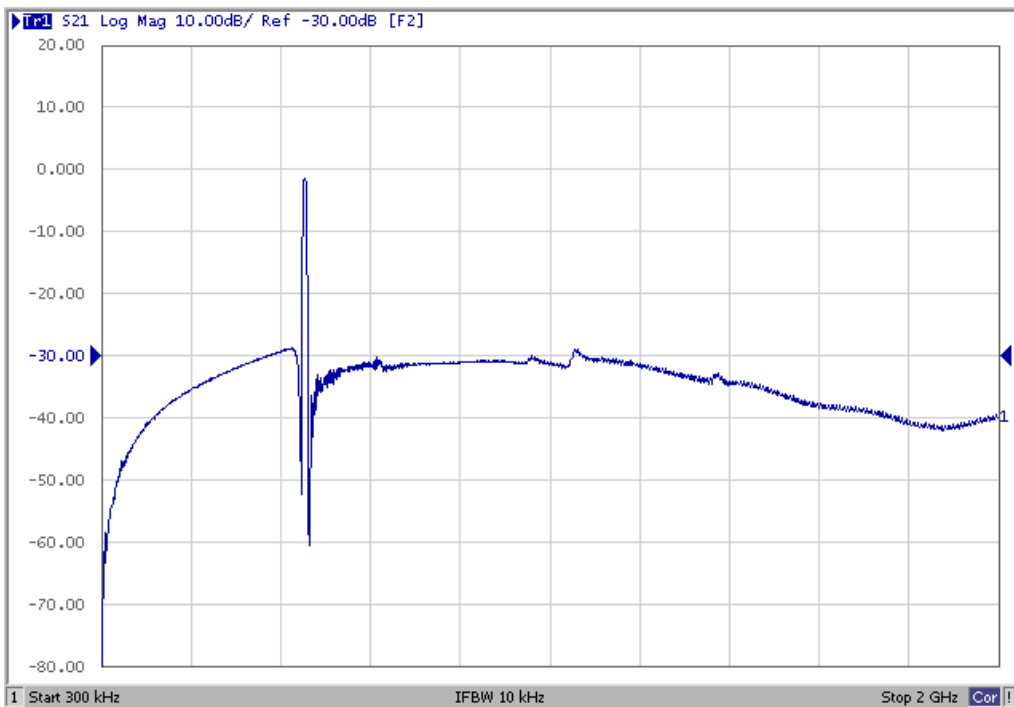
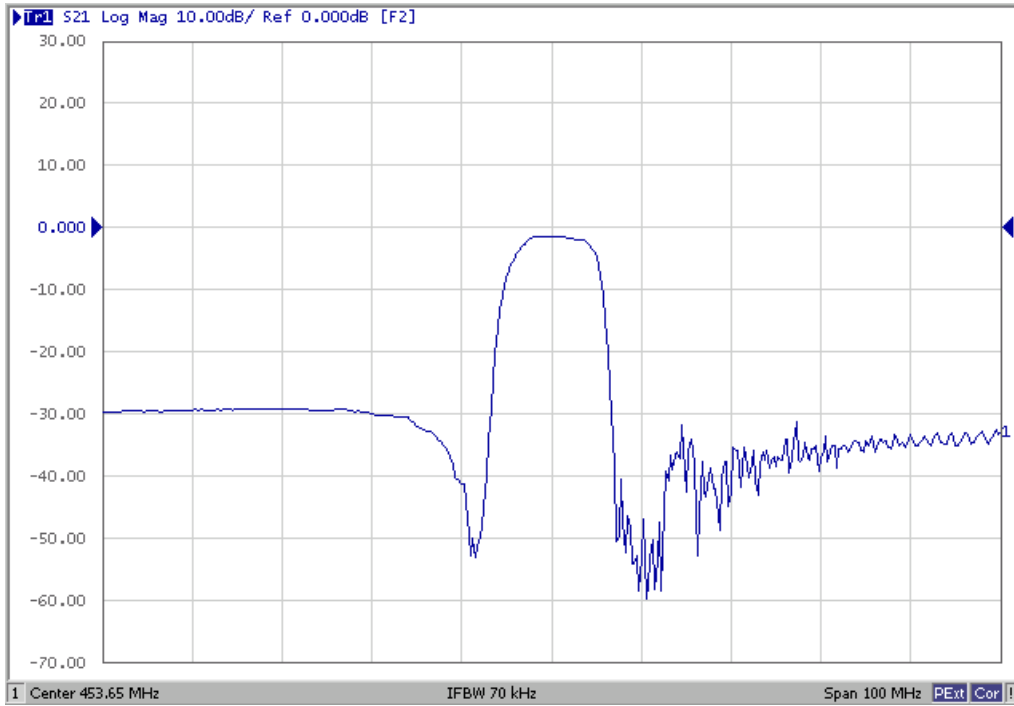
Testing Environment



Source & Load Impedance: 50 Ω

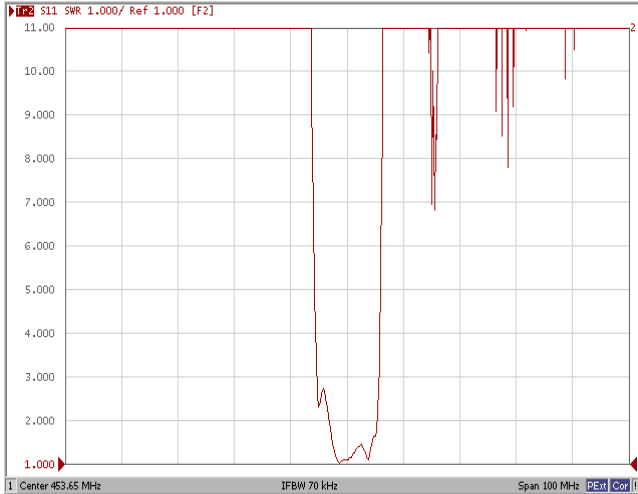
Frequency Characteristics

Frequency Response

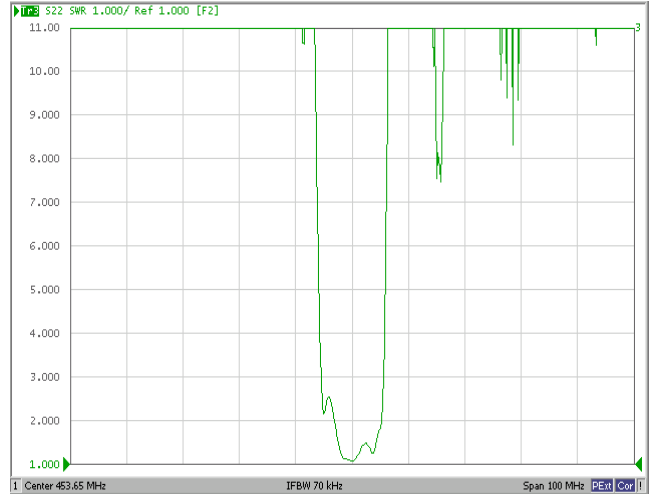


VSWR

S11

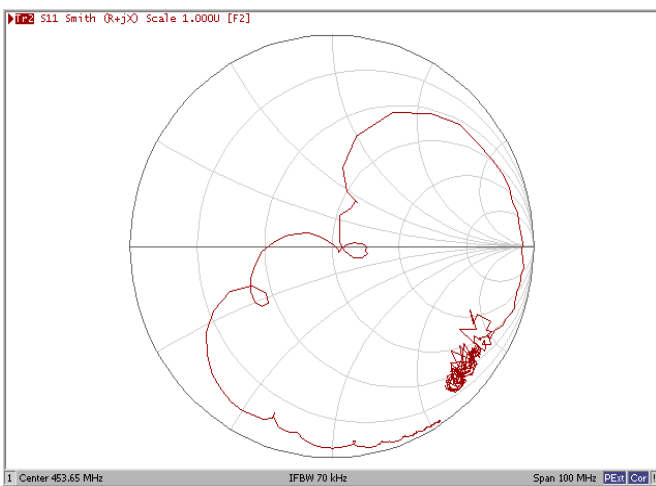


S22



Smith Chart

S11



S22

