



REV A January 2010

Oscilent Controlled Document

| Ordering Code / Part Number | Product Description |
|-----------------------------|-----------------------------------|
| 803-RF455.0M-C | CDMA 450 A-Band, RF/Tx SAW Filter |

Specification Contents

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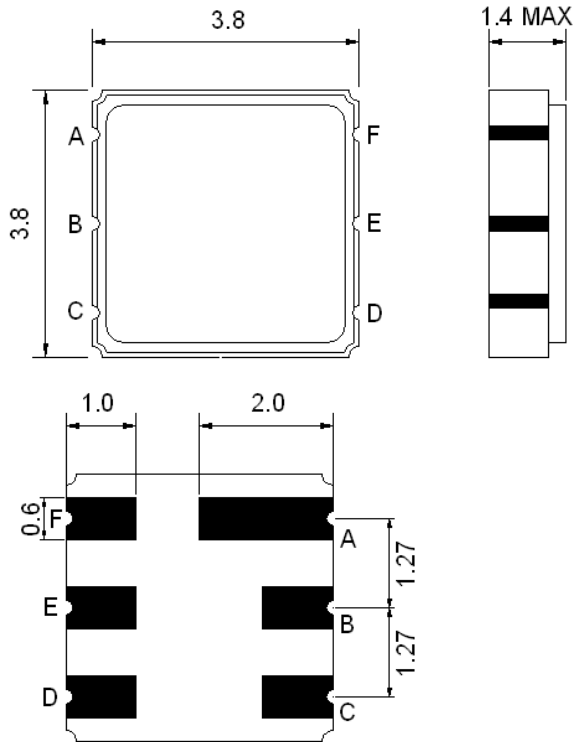
Notes

- o Electrostatic Sensitive Device (ESD) 
- o Avoid excessive ultrasonic exposure
- o Solderability compatible with JEDEC J-STD-020C Pb-free process, 260°C peak reflow temperature
- o This product complies with EU directive 2002/95/EC (RoHS compliance)



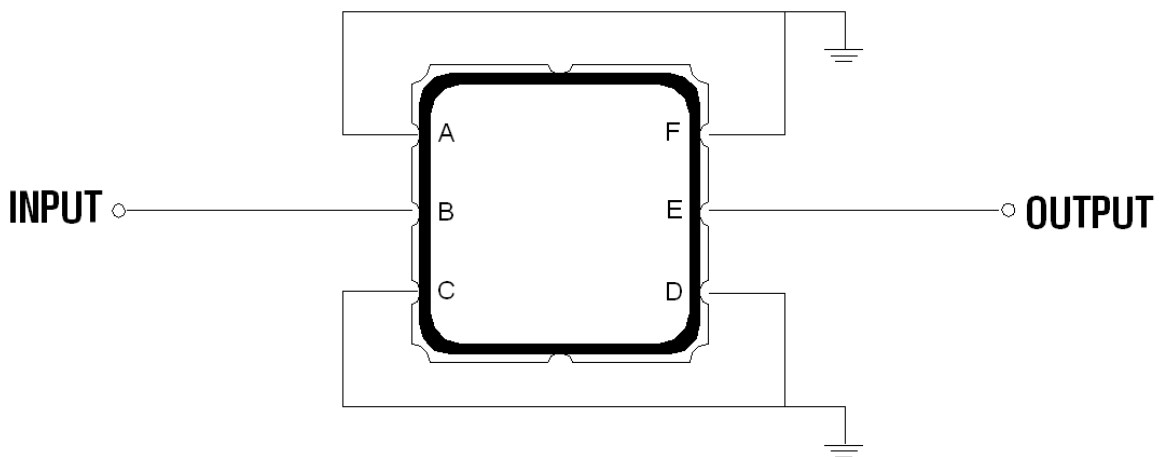


Mechanical Dimensions (mm)



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

Test Circuit



Source and Load Impedance: 50 Ω

**Maximum Ratings**

| Parameters Description | Unit | Minimum | Typical | Maximum |
|--|------|---------|---------|---------|
| Operating Temperature Range | °C | -30 | - | +85 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 5 |
| Maximum Input Power | dBm | - | - | 28 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |

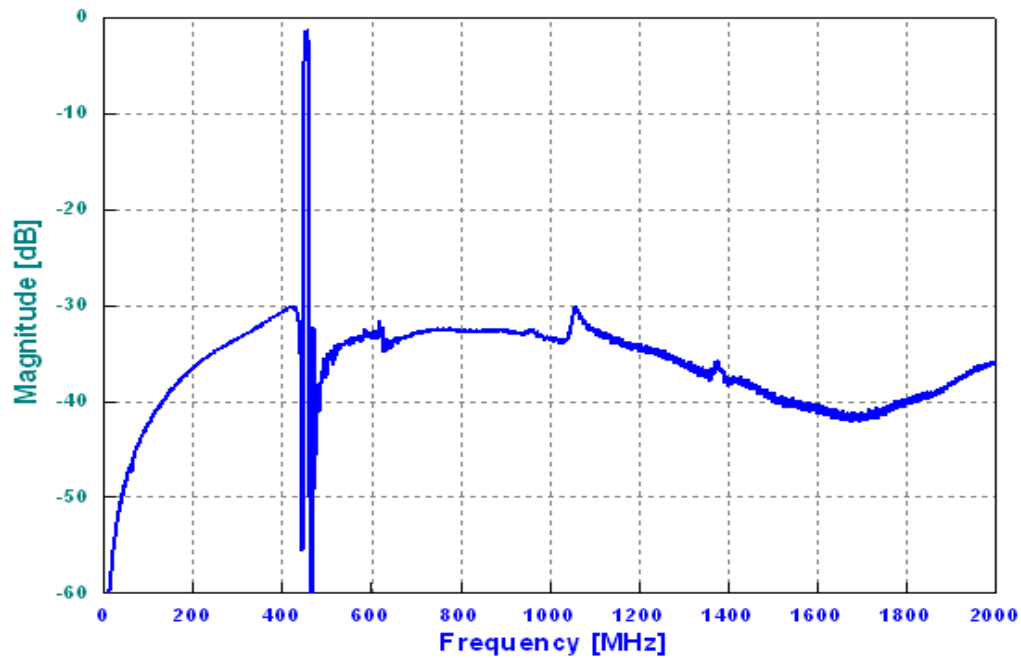
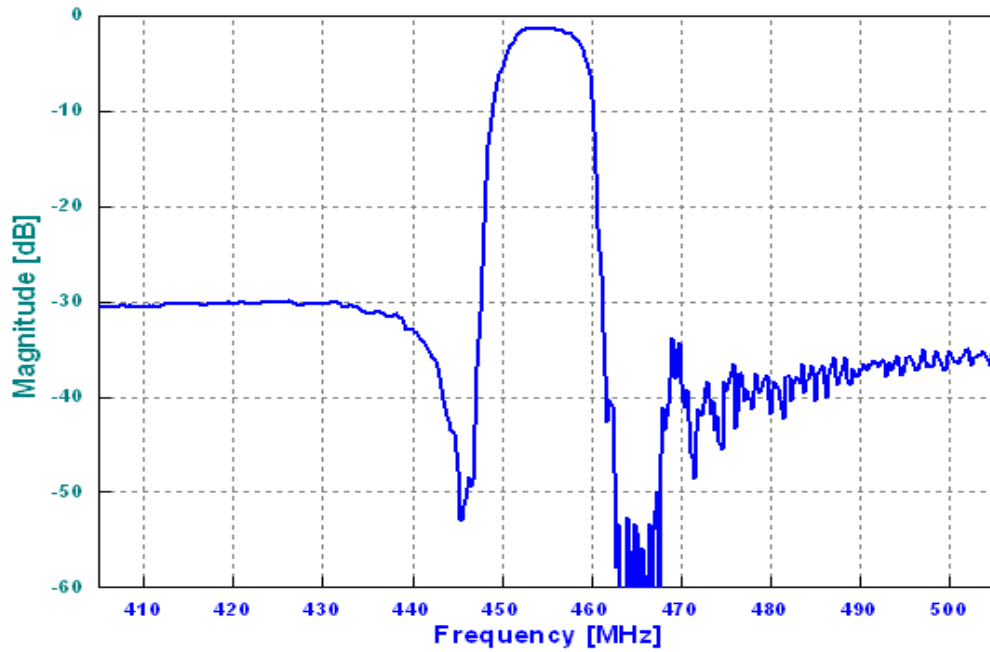
Notes: No Matching Network

Electrical Specification

| Parameters Description | Unit | Minimum | Typical | Maximum |
|---|------|---------|---------|---------|
| Center Frequency (Fo) | MHz | - | 455.0 | - |
| Insertion Loss within 452.5 ~ 457.5 MHz | dB | - | 1.8 | 2.8 |
| Absolute Attenuation: | | | | |
| 0.3 ~ 350.0 MHz | dB | 30 | 33 | - |
| 350.0 ~ 445.0 MHz | dB | 25 | 30 | - |
| 462.5 ~ 467.5 MHz | dB | 30 | 45 | - |
| 462.5 ~ 463.1 MHz | dB | 40 | 45 | - |
| 467.5 ~ 2000.0 MHz | dB | 25 | 30 | - |
| VSWR within 452.5 ~ 457.5 MHz | - | - | 1.2 | 2.0 |

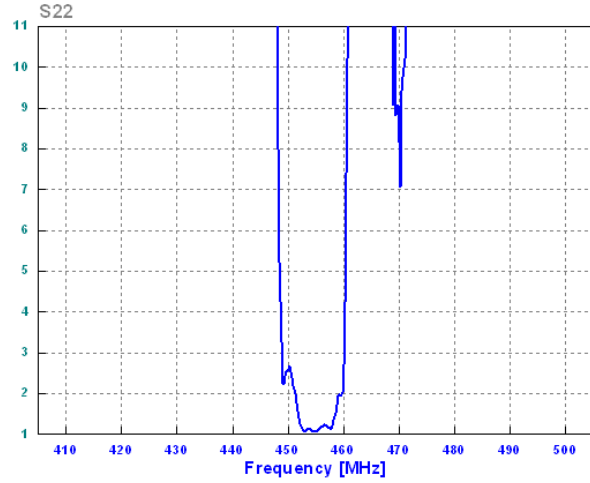
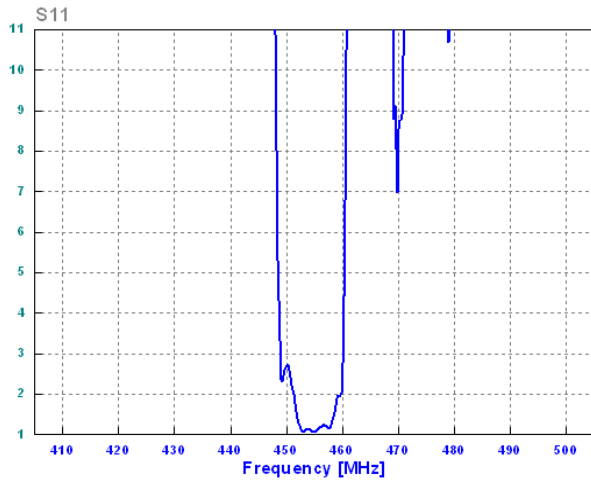


Frequency Performance





VSWR



Smith Chart

