



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

| Ordering Code / Part Number | Product Description               |
|-----------------------------|-----------------------------------|
| 803-RF465.0M-C              | CDMA 450 A-Band, RF/Rx SAW Filter |

## Specification Contents

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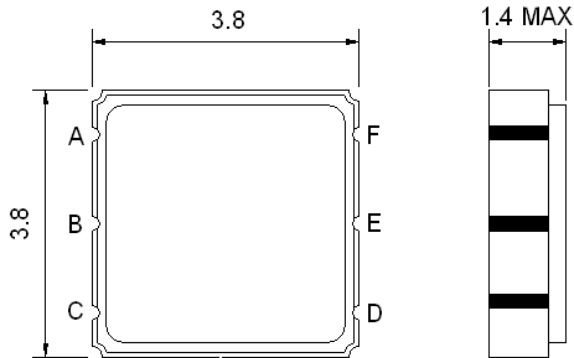
## Notes

- 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)

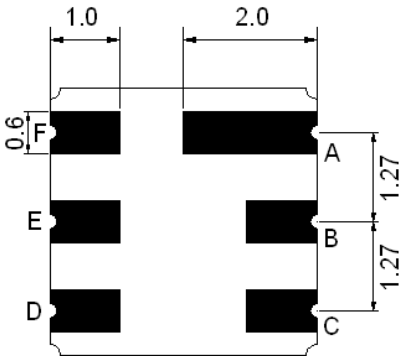




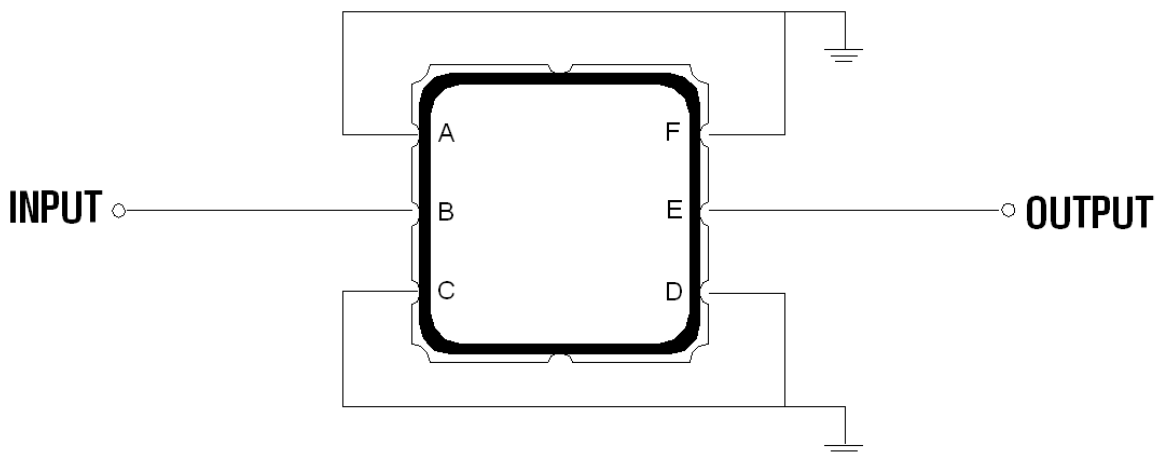
## Mechanical Dimensions (mm)



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



## Test Circuit



Source and Load Impedance: 50  $\Omega$

**Maximum Ratings**

| Parameters Description                         | Unit | Minimum | Typical | Maximum |
|--|------|---------|---------|---------|
| Operating Temperature Range                    | °C   | -30     | -       | +80     |
| Storage Temperature Range                      | °C   | -40     | -       | +85     |
| Maximum DC Voltage                             | V    | -       | -       | 0       |
| Maximum Input Power                            | dBm  | -       | -       | 27      |
| Source Impedance (single ended) <sup>(1)</sup> | Ω    | -       | 50      | -       |
| Load Impedance (single ended) <sup>(1)</sup>   | Ω    | -       | 50      | -       |

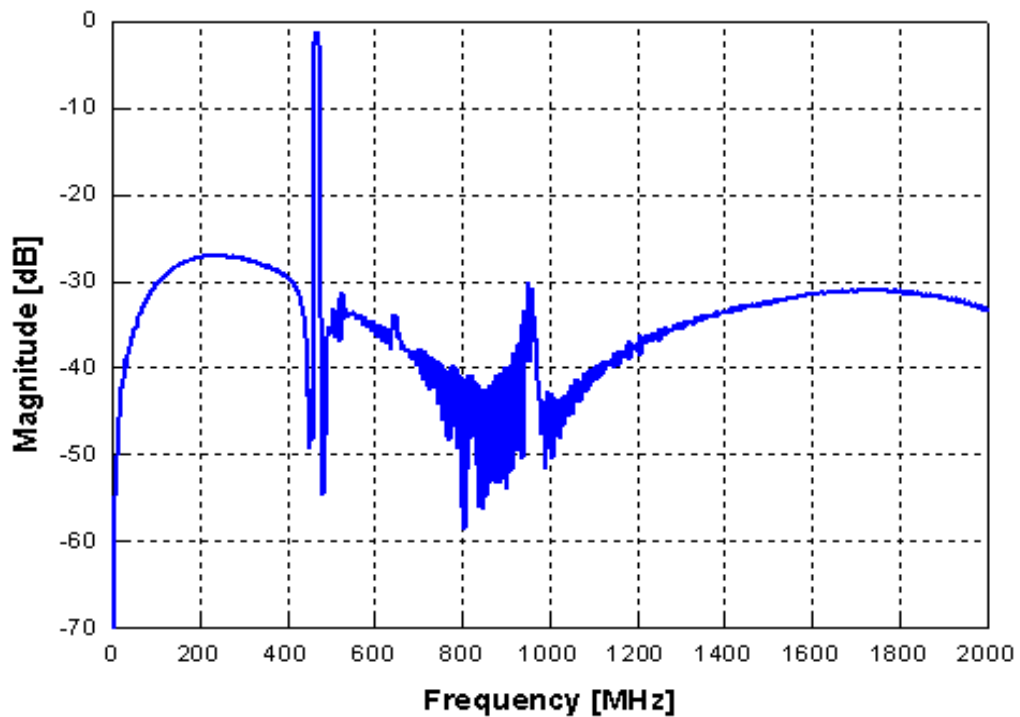
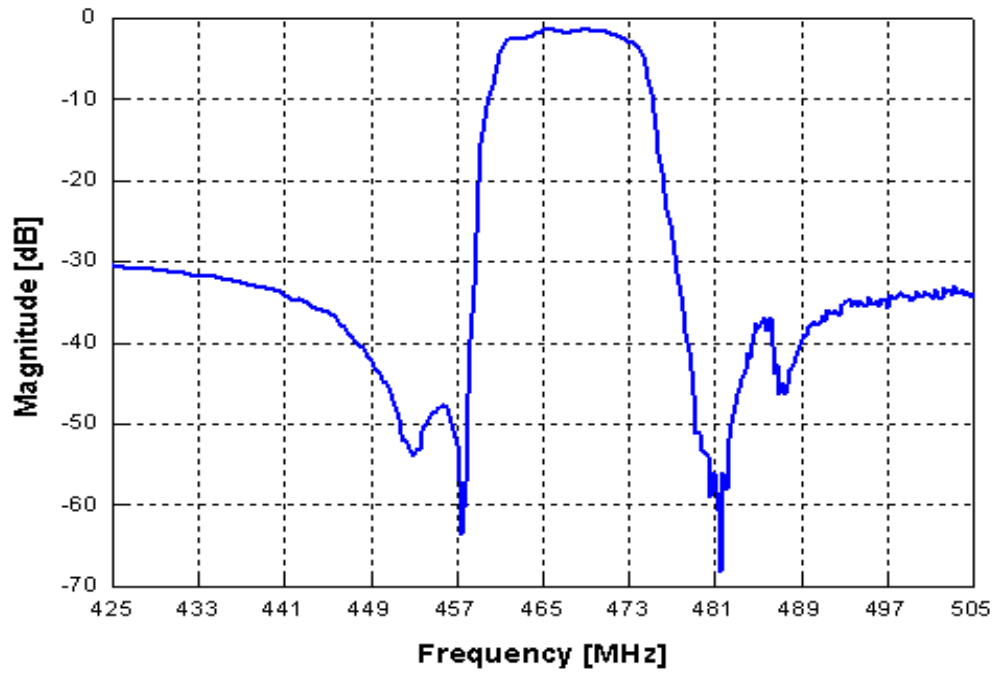
Notes: No Matching Network

**Electrical Specification**

| Parameters Description             | Unit | Minimum | Typical | Maximum |
|------------------------------------|------|---------|---------|---------|
| Center Frequency (Fo)              | MHz  | -       | 465.0   | -       |
| Insertion Loss in 462.5 ~467.5 MHz | dB   | -       | 2.7     | 3.5     |
| Attenuation:                       |      |         |         |         |
| 0.3 ~ 452.5 MHz                    | dB   | 25      | 27      | -       |
| 452.5 ~ 457.5 MHz                  | dB   | 35      | 48      | -       |
| 485.0 ~ 507.5 MHz                  | dB   | 30      | 33      | -       |
| 507.5 ~ 1000.0 MHz                 | dB   | 25      | 30      | -       |
| 1000.0 ~ 1300.0 MHz                | dB   | 30      | 35      | -       |
| 1300.0 ~ 2000.0 MHz                | dB   | 25      | 31      | -       |
| VSWR in 462.5 ~ 467.5 MHz          | -    | -       | 1.7     | 2.0     |

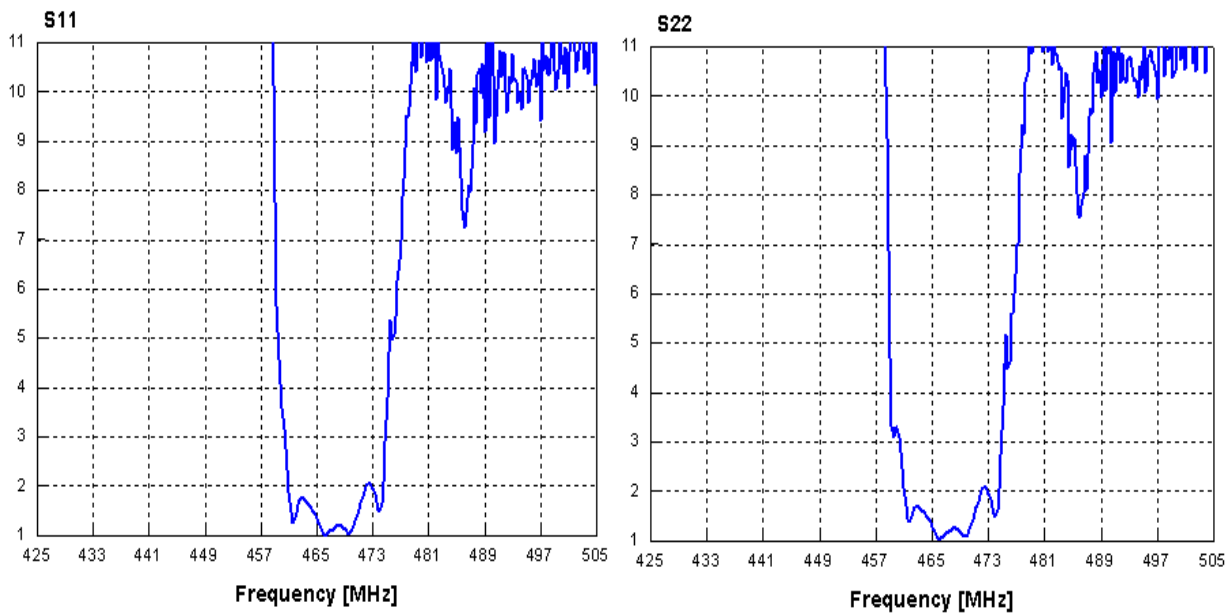


### Frequency Performance





## VSWR



## Smith Chart

