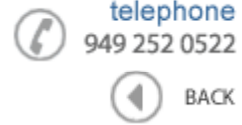




## Data Sheet



Product Category: RF SAW Filter

| Part Number    | Package       | Application | Last Modified |
|----------------|---------------|-------------|---------------|
| 860-RF836.5M-F | 1.6 x 2.0 SMD | CDMA        | Mar.10, 2007  |

TYPE :

CDMA, RF-Tx SAW Filter

PART NUMBER :

**860-RF836.5M-F**

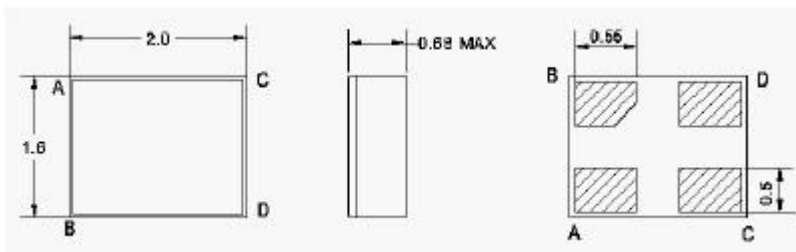


## OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

| PARAMETERS                       | Condition        | Minimum | Typical | Maximum | Units |
|----------------------------------|------------------|---------|---------|---------|-------|
| Center Frequency (Fo)            | -                | -       | 836.5   | -       | MHz   |
| Maximum Insertion Loss           | 824.0~ 849.0 MHz | -       | 2.1     | 2.9     | dB    |
| Attenuation:                     | DC ~ 770 MHz     | 30      | 35      | -       | dB    |
|                                  | 770 ~ 804 MHz    | 32      | 36      | -       |       |
|                                  | 869 ~ 894 MHz    | 40      | 47      | -       |       |
|                                  | 894 ~ 1080 MHz   | 33      | 36      | -       |       |
|                                  | 1080 ~ 1500 MHz  | 32      | 35      | -       |       |
|                                  | 1500 ~ 2000 MHz  | 34      | 38      | -       |       |
|                                  | 2000 ~ 2600 MHz  | 28      | 33      | -       |       |
| Source Impedance (single ended)* | -                | -       | 50      | -       | ohm   |
| Load Impedance (single ended)*   | -                | -       | 50      | -       | ohm   |
| VSWR                             | 824.0~ 849.0 MHz | -       | 1.9     | 2.2     | dBp-p |
| Amplitude Ripple                 | 824.0~ 849.0 MHz | -       | 0.7     | 1.4     | dBp-p |
| Maximum DC Voltage               | -                | -       | -       | 5       | V     |
| Maximum Input Power              | -                | -       | -       | 15      | dBm   |
| Operating Temperature            | -                | -30     | -       | +85     | °C    |

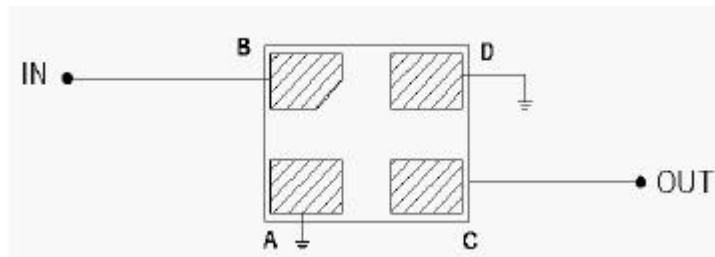
\* No Matching Network(Ref. Testing Enviroment Circuit as shown below)

## PACKAGE OUTLINE (mm)



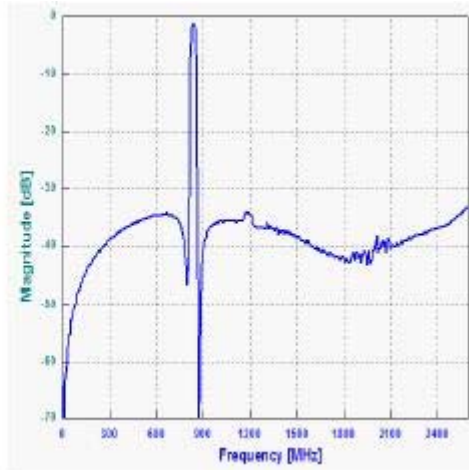
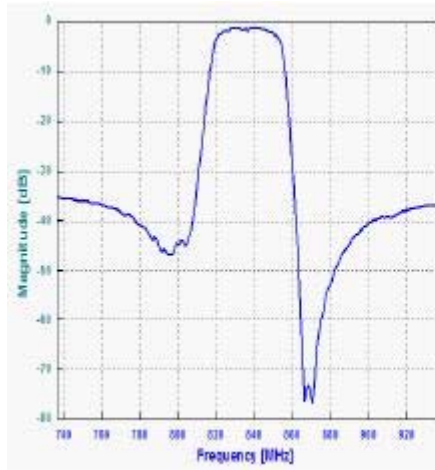
| PIN LAYOUT |        |
|------------|--------|
| A          | Ground |
| B          | In     |
| C          | Out    |
| D          | Ground |

## TEST FIXTURE

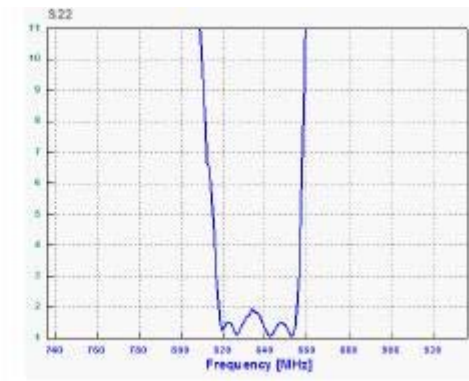
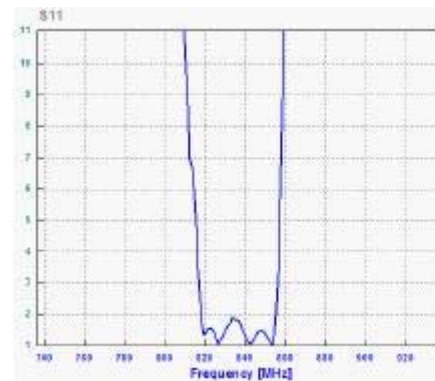


Load/ Source Impedance = 50 ohms

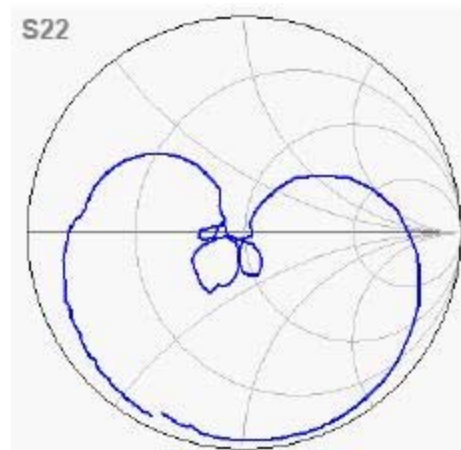
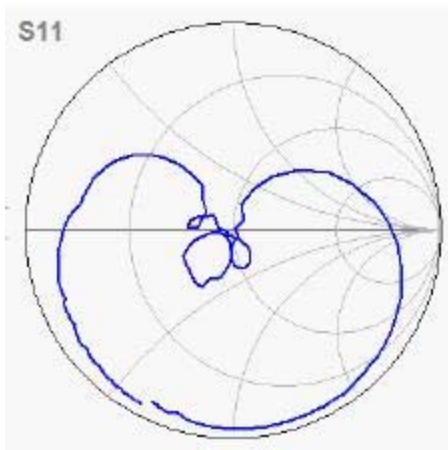
## FREQUENCY RESPONSE



## VSWR



## SMITH CHART



Part No.: 860-RF836.5M-F

**Oscilent Corporation** - CALL **949.252.0522**

18195 East McDermott Street , Building D , Irvine , CA 92614 , USA

Fax: 949.252.0599 , E-Mail: [Sales@Oscilent.com](mailto:Sales@Oscilent.com)

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