



**Data Sheet**



Product Category: RF SAW Filter

Part Number  
802-RF942.5M-B

Package  
3.0 x 3.0 SMD

Application  
EGSM

Last Modified  
Apr. 12 2003

TYPE :  
942.5 MHz RF SAW Filter

PART NUMBER :  
**802-RF942.5M-B**

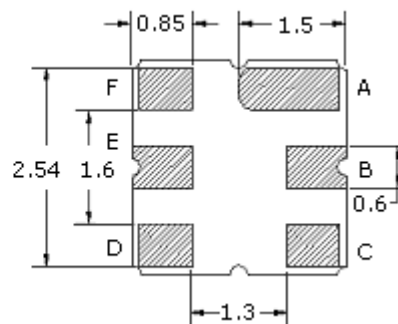
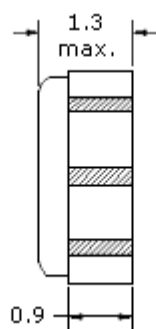
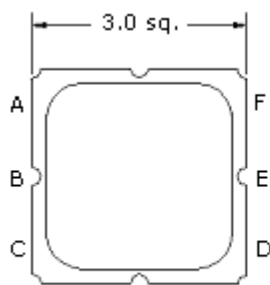


**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

| PARAMETERS            | Condition           | Minimum | Typical | Maximum | Units |
|-----------------------|---------------------|---------|---------|---------|-------|
| Center Frequency      | -                   | -       | 942.5   | -       | MHz   |
| Insertion Loss        | 925.0 ~ 960.0 MHz   | -       | 2.5     | 3.0     | dB    |
| DC Voltage            | -                   | -       | -       | 0       | V     |
| Input Power           | -                   | -       | -       | 10      | dBm   |
| Operating Temperature | -                   | -30     | -       | +85     | °C    |
| Storage Temperature   | -                   | -40     | -       | +85     | °C    |
| Ripple                | 925.0 ~ 960.0 MHz   | -       | 1.25    | 1.5     | dB    |
| Stopband Attenuation  | DC ~ 905.0MHz       | 17.0    | 23.0    | -       | dB    |
|                       | 905.0 ~ 915.0 MHz   | 5.0     | 15.0    | -       |       |
|                       | 980.0 ~ 1000.0 MHz  | 13.0    | 35.0    | -       |       |
|                       | 1000.0 ~ 2000.0 MHz | 20.0    | 25.0    | -       |       |
| VSWR                  | 925.0 ~ 960.0 MHz   | -       | 1.95    | 2.7     | -     |
| Terminating Impedance | -                   | -       | 50      | -       | ohm   |

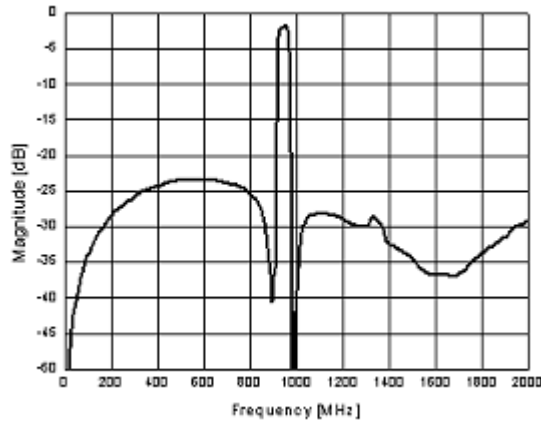
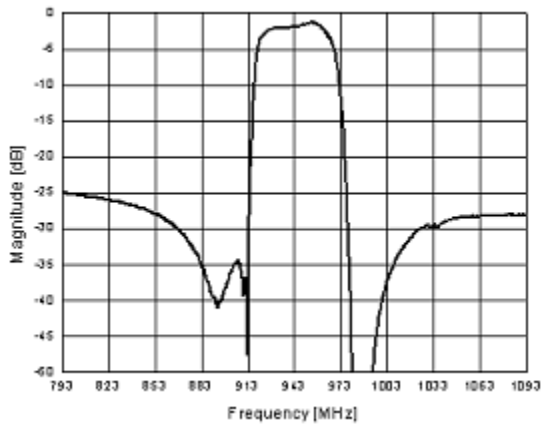
\* Maximum Rating (Ta=25°C)

\*\* Custom SAW RF Filters available. Contact Oscilent for assistance.

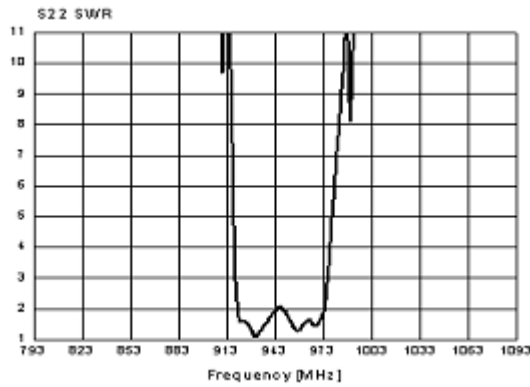
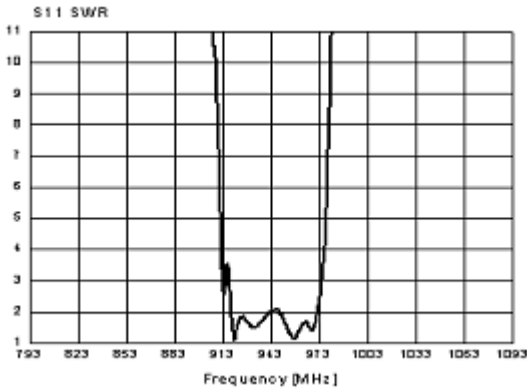


| Pin Layout |        |
|------------|--------|
| A          | Ground |
| B          | Output |
| C          | Ground |
| D          | Ground |
| E          | Input  |
| F          | Ground |

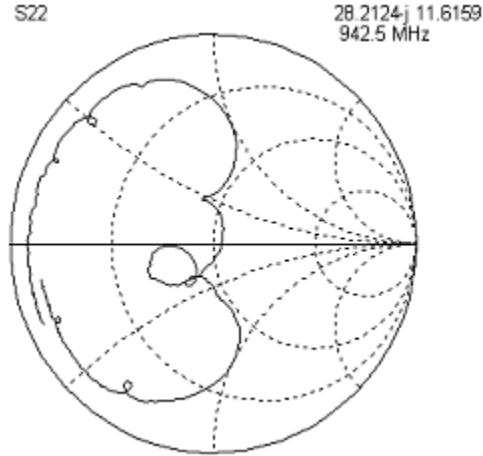
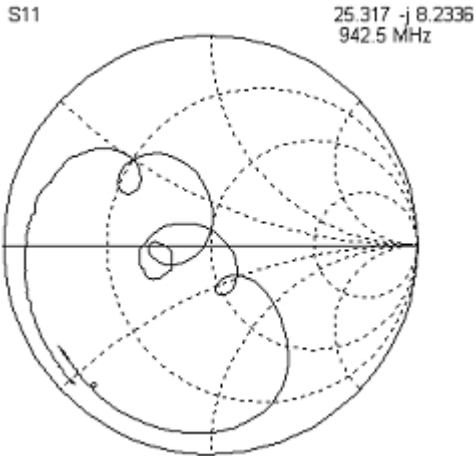
**Frequency Reponse**



**VSWR (S11, S22)**



**Smith Chart**



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**Part No.:**      **802-RF942.5M-B**