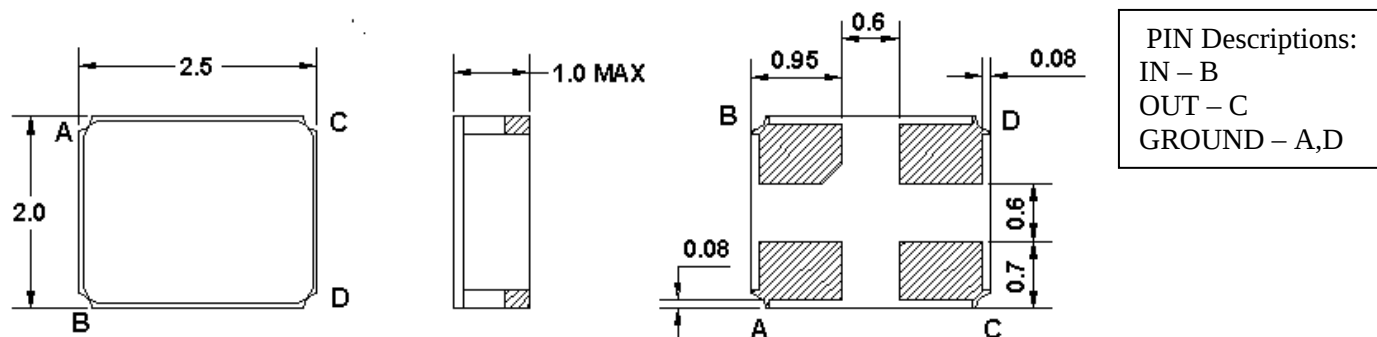


# RADITEK INC.

## DMB RF SAW Band Pass Filter 2630MHz to 2655MHz, Surface Mount RSAW-BPF-2630-2655M-2520-S-k

code-k

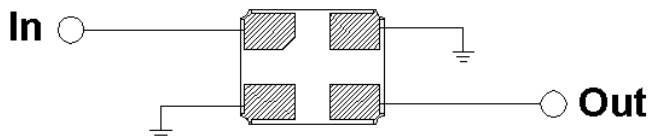


### PRELIMINARY PRODUCT INFORMATION (Revision 08/2004)

| Specifications                                 | Unit              | Minimum | Typical   | Maximum |
|------------------------------------------------|-------------------|---------|-----------|---------|
| Center Frequency (Fo)                          | MHz               | -       | 2642.5    | -       |
| Insertion Loss within 2630.0 ~ 2655.0 MHz      | dB                | -       | 3.0       | 3.5     |
| Source Impedance (single ended) <sup>(1)</sup> | $\Omega$          | -       | 50        | -       |
| Load Impedance (single ended) <sup>(1)</sup>   | $\Omega$          | -       | 50        | -       |
| Operating Temperature Range                    | °C                | -30     | -         | +80     |
| Amplitude Ripple within 2630.0 ~ 2655.0 MHz    | dB <sub>p-p</sub> | -       | 0.8       | 1.5     |
| <b>Attenuation:</b>                            |                   |         |           |         |
| D.C. ~ 2400 MHz                                | dB                | 20      | 30        | -       |
| 2400 ~ 2500 MHz                                | dB                | 20      | 28        | -       |
| 2750 ~ 3500 MHz                                | dB                | 18      | 25        | -       |
| 3500 ~ 6000 MHz                                | dB                | 15      | 22        | -       |
| VSWR within 2630.0 ~ 2655.0 MHz                | -                 | -       | 1.7       | 2.5     |
| Maximum DC Voltage                             | V                 | -       | -         | 0.2     |
| Maximum Input Power                            | dBm               | -       | -         | 0       |
| Package type & size                            | L                 |         |           |         |
| Length x Width                                 | mm <sup>2</sup>   | -       | 2.5 x 2.0 | -       |
| Height                                         | mm                | -       | -         | 1.0     |

Notes : (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

### TESTING ENVIRONMENT



Source & Load Impedance: 50  $\Omega$

RSAW-BPF-2630-2655M-2520-S-k

Specifications may be subject to change

02/04/09

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Telephone: (408) 266-7404 FAX: (408) 266-4483

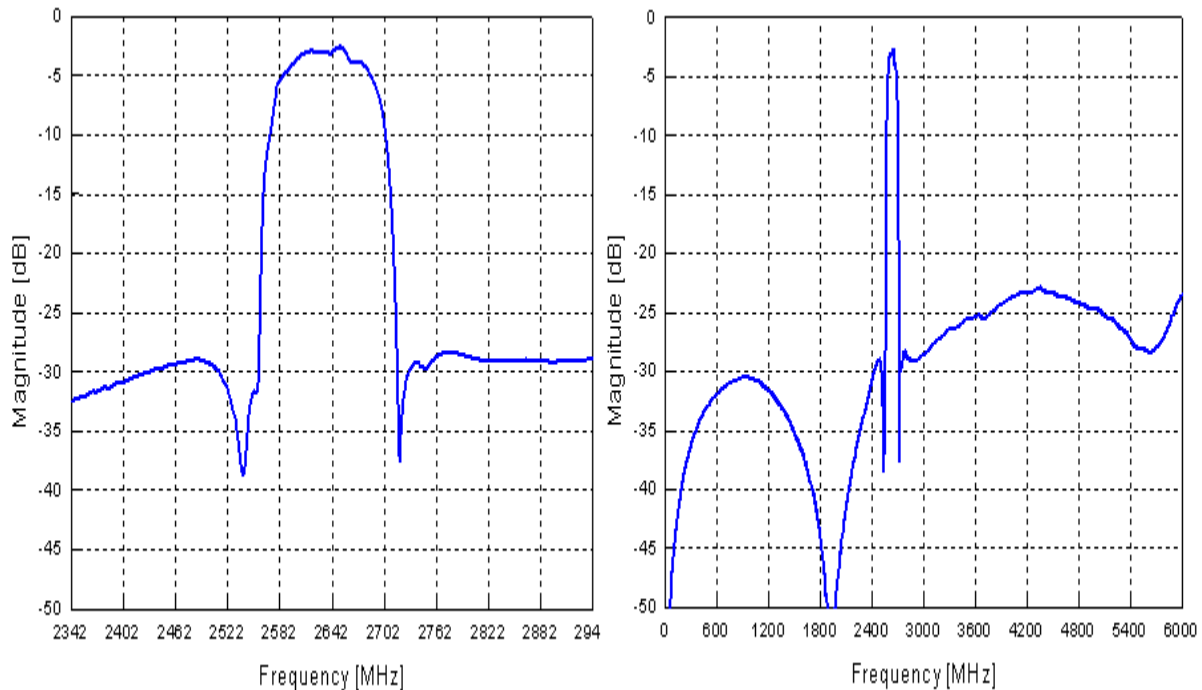
WEB: [www.raditek.com](http://www.raditek.com), E-mail: [sales@raditek.com](mailto:sales@raditek.com)

# RADITEK INC.

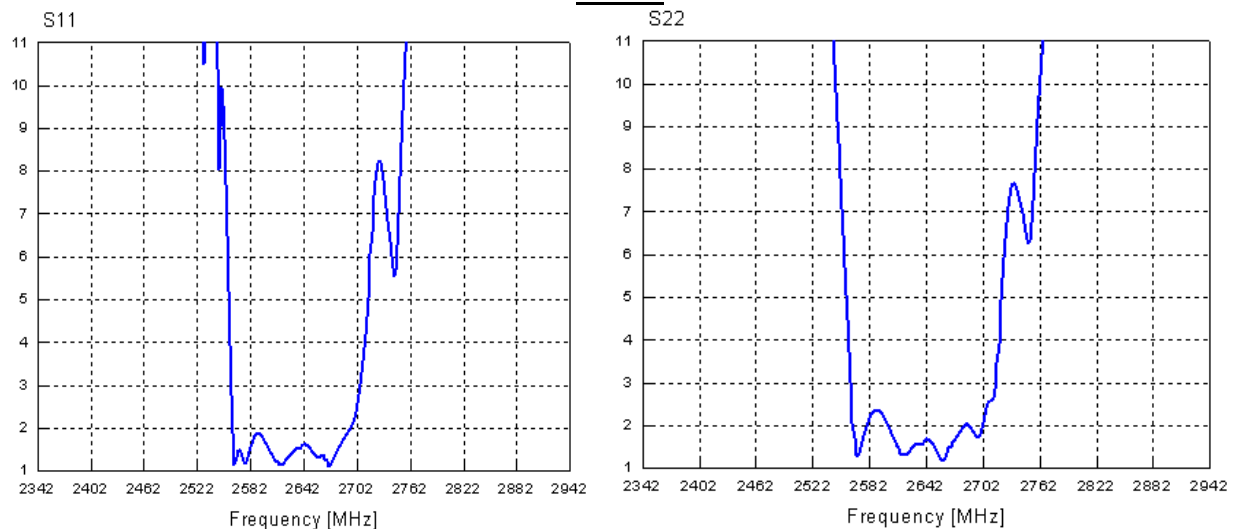
## DMB RF SAW Band Pass Filter 2630MHz to 2655MHz, Surface Mount RSAW-BPF-2630-2655M-2520-S-k

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### FREQUENCY RESPONSE



### VSWR



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## DMB RF SAW Band Pass Filter 2630MHz to 2655MHz, Surface Mount RSAW-BPF-2630-2655M-2520-S-k

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### SMITH CHART

S11

$56.6936 + j25.3034$   
2642.5 MHz

S22

$64.6375 + j25.8785$   
2642.5 MHz

