

SMD 947.5MHz SAW Filter

AFS947.50W01-TS4



RoHS / RoHS II Compliant



3.0 x 3.0 x 1.5 mm

FEATURES:

- Low insertion loss
- 3.0 x 3.0 x 1.5mm compact SMD package
- Suitable for RoHS reflow profile

APPLICATIONS:

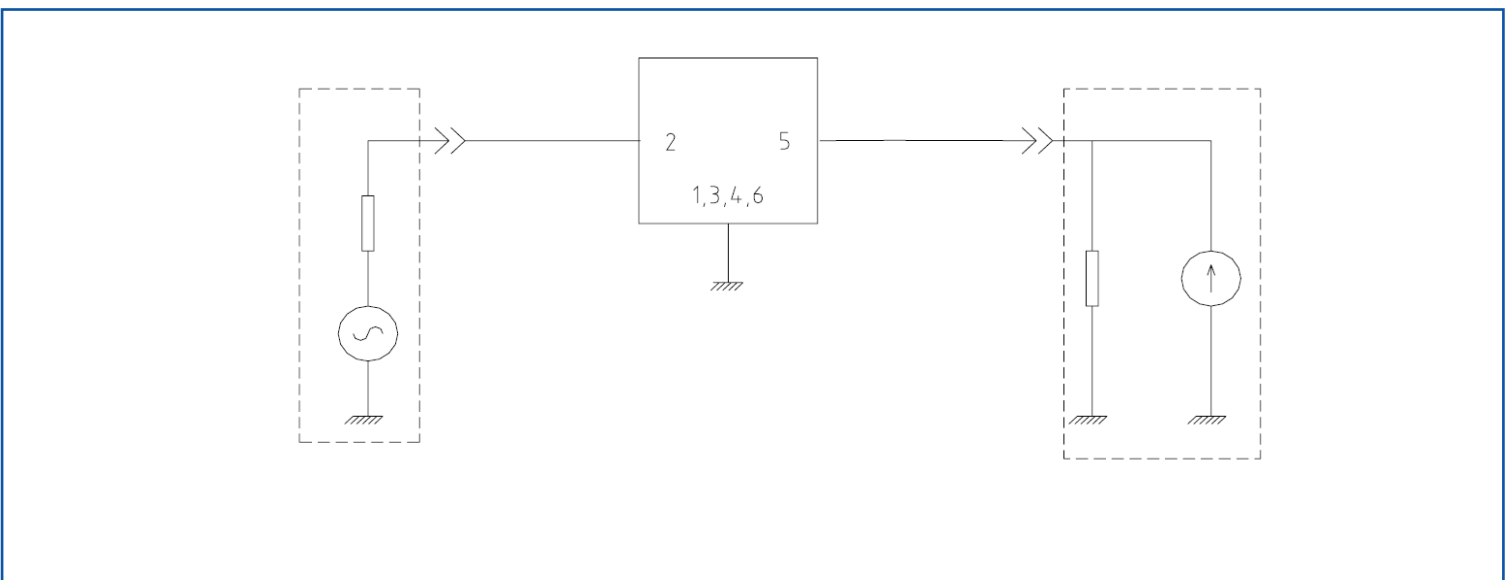
- Wireless communication
- Remote control
- Cellular phones

STANDARD SPECIFICATIONS:

| Item | Value |
|-----------------------------|----------------|
| Operating Temperature Range | -15°C to +35°C |
| Storage Temperature Range | -40°C to +85°C |
| DC Voltage | 3V DC max. |
| Maximum Input Power | 10 dBm |

| Parameters | Minimum | Typical | Maximum | Units | Notes |
|----------------------------|---------|---------|---------|----------|----------------|
| Center Frequency (f_0) | | 947.5 | | MHz | |
| Insertion Loss | | 2.9 | 4.3 | dB | 935 ~ 960MHz |
| Amplitude Ripple | | 1.2 | 2.4 | dB | 935 ~ 960MHz |
| Attenuation | 40 | 47 | | dB | 800 ~ 900MHz |
| | 35 | 41 | | | 920MHz |
| | 17 | | | | 920 ~ 925MHz |
| | 40 | 47 | | | 1050 ~ 1095MHz |
| Source Impedance | | 50 | | Ω | |
| Load Impedance | | 50 | | Ω | |

TEST CIRCUIT:



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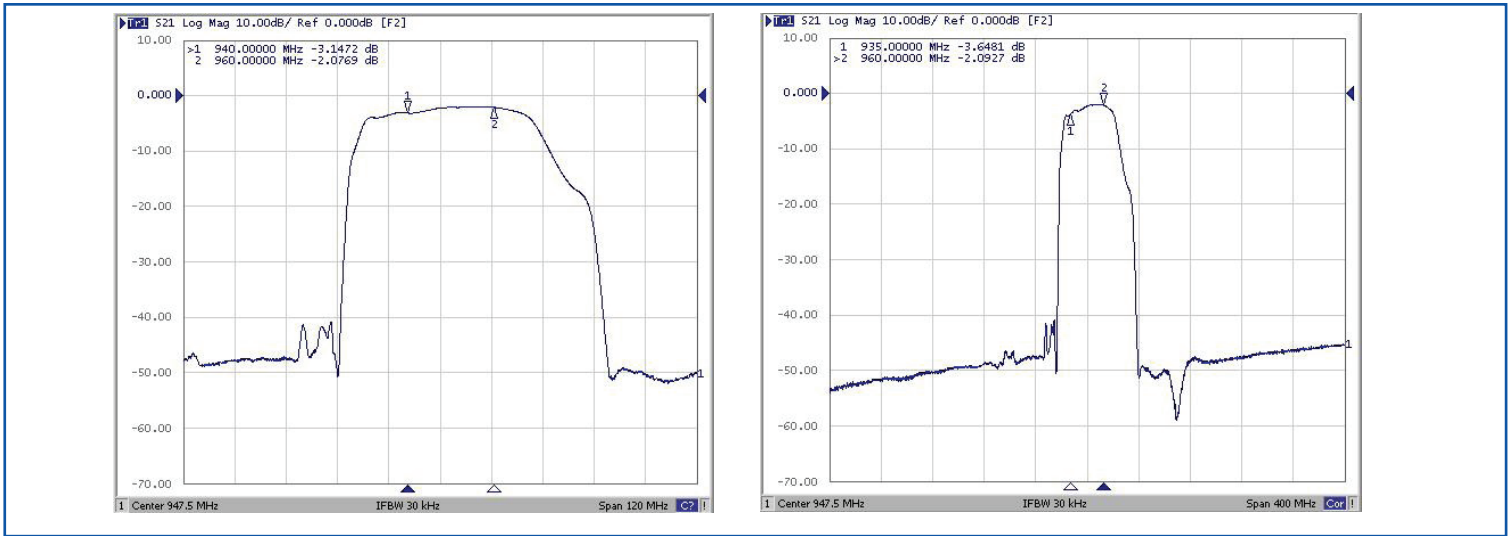
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FREQUENCY CHARACTERISTICS:



OUTLINE DIMENSIONS:

