

- 62.50 MHz IF SAW Filter / 21.2 MHz Bandwidth
- Revision 0: 12 Feb. 2008

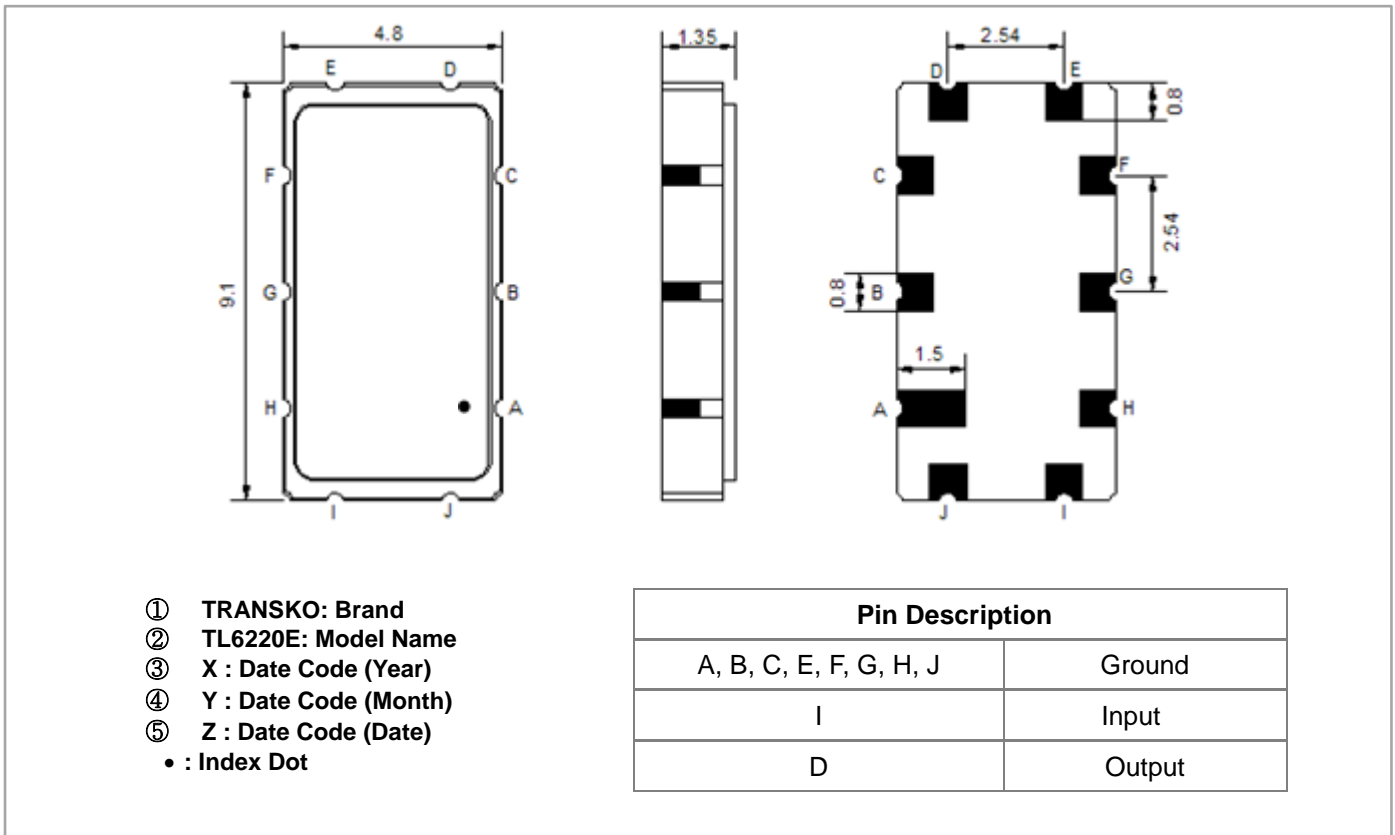
Electrical Characteristics

| MAXIMUM RATING | | | | |
|--|-----------------|---------|-----------|---------|
| Parameters Description | Unit | Minimum | Typical | Maximum |
| Operating Temperature Range | °C | -30 | - | 80 |
| Storage Temperature Range | °C | -40 | - | 85 |
| Maximum DC Voltage | V | - | - | 10 |
| Maximum Input Power | dBm | - | - | 10 |
| Source Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Load Impedance (single ended) ⁽¹⁾ | Ω | - | 50 | - |
| Package type & size | T | | | |
| Length x Width | mm ² | - | 9.1 x 4.8 | - |
| Height | mm | - | - | 1.5 |

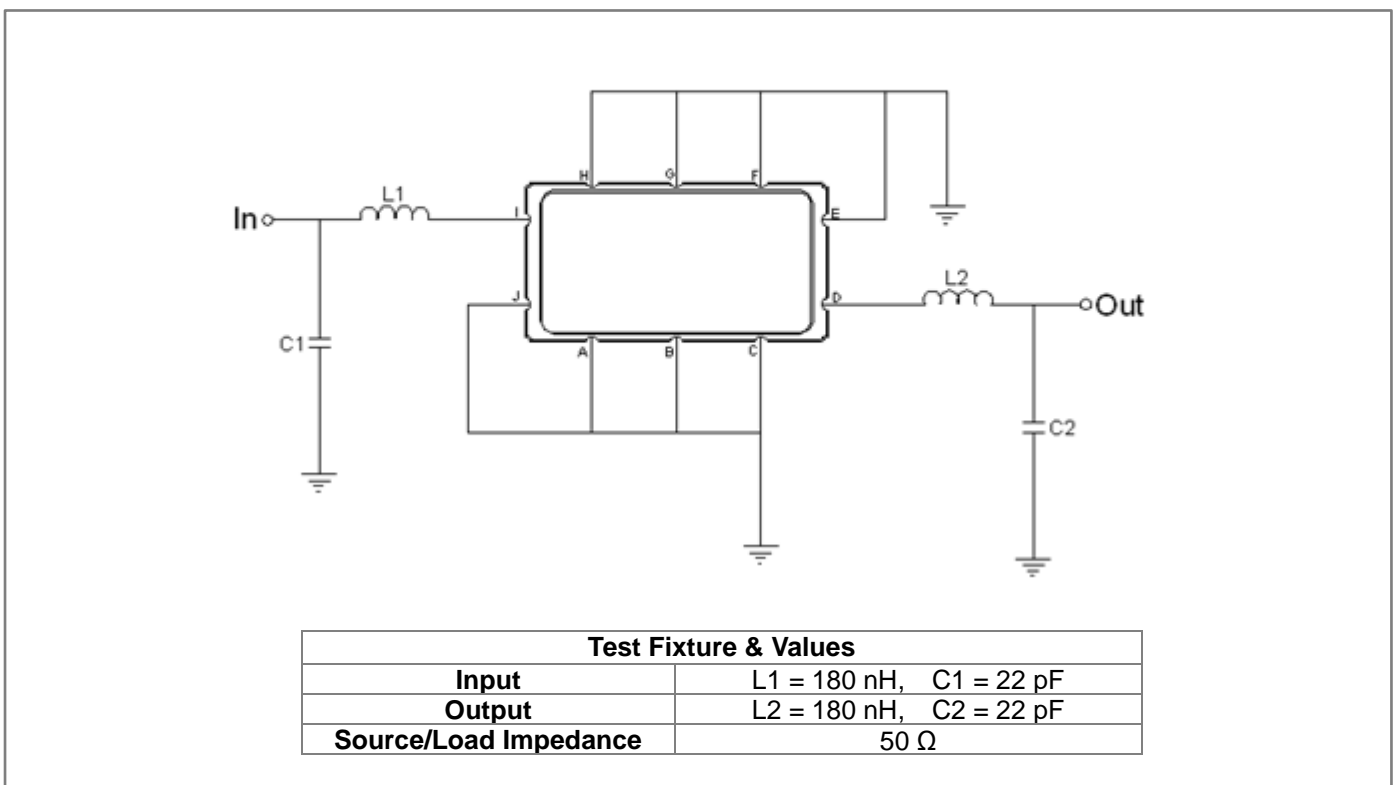
| ELECTRICAL SPECIFICATION | | | | |
|---|------|---------|---------|---------|
| Parameters Description | Unit | Minimum | Typical | Maximum |
| Center Frequency (Fo) | MHz | - | 62.5 | - |
| Insertion Loss at Fo | dB | - | 18.0 | 20.5 |
| Group Delay Variation at 62.5MHz ±9.75MHz | nsec | - | 20 | 40 |
| Absolute Delay at Fo | usec | - | 0.91 | - |
| Passband Ripple at 62.5MHz ±9.75MHz | dB | - | 0.30 | 1.0 |
| Bandwidth at -1dB | MHz | 20.7 | 21.2 | - |
| Bandwidth at -3dB | MHz | 21.8 | 22.2 | - |
| Bandwidth at -20dB | MHz | - | 24.9 | - |
| Bandwidth at -30dB | MHz | - | 25.6 | 26.5 |
| Bandwidth at -40dB | MHz | - | 26.9 | 28.0 |
| Relative Attenuation: | | | | |
| 62.5MHz -12.5MHz | dB | 35 | 40 | - |
| Lower sidelobe | dB | 40 | 45 | - |
| Upper sidelobe | dB | 40 | 45 | - |

Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

Package Dimensions



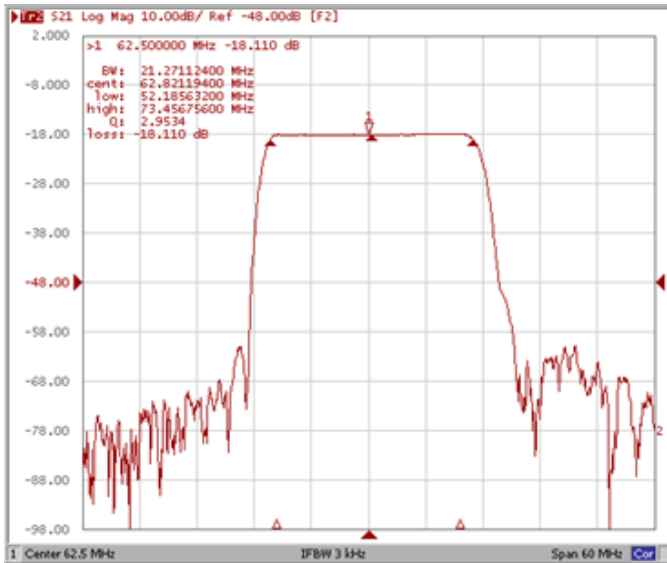
Testing Environment



Frequency Characteristics

Frequency Response

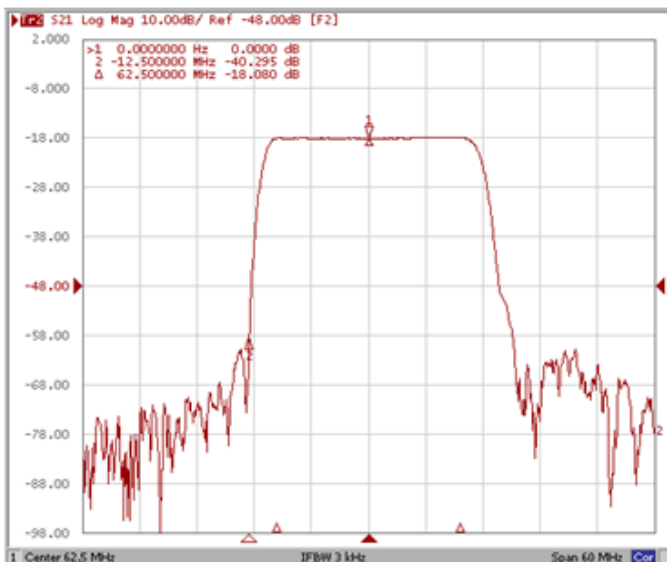
Bandwidth at -1.0 dB



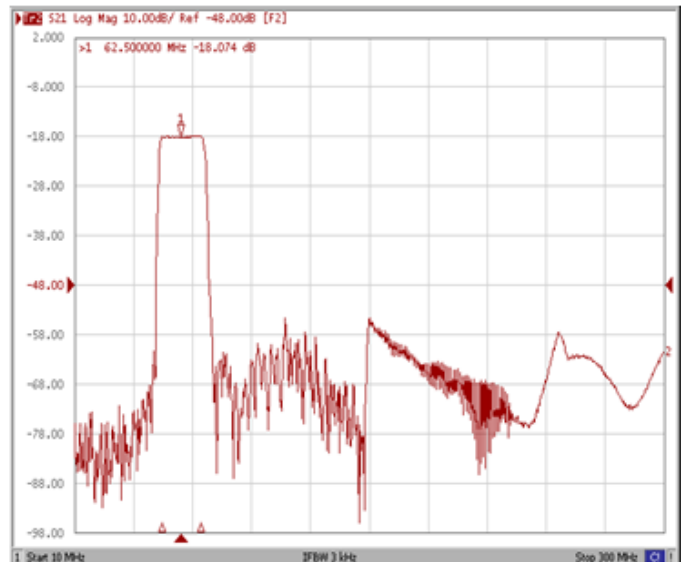
Bandwidth at -3.0 dB



Attenuation 62.5MHz -12.5MHz



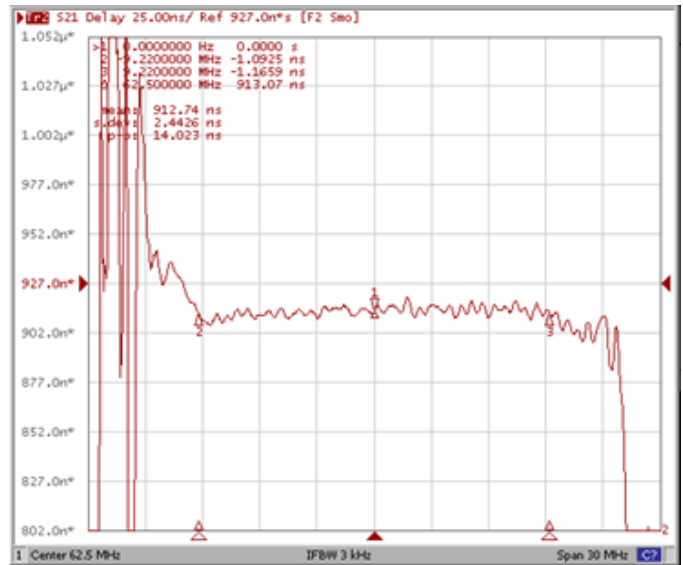
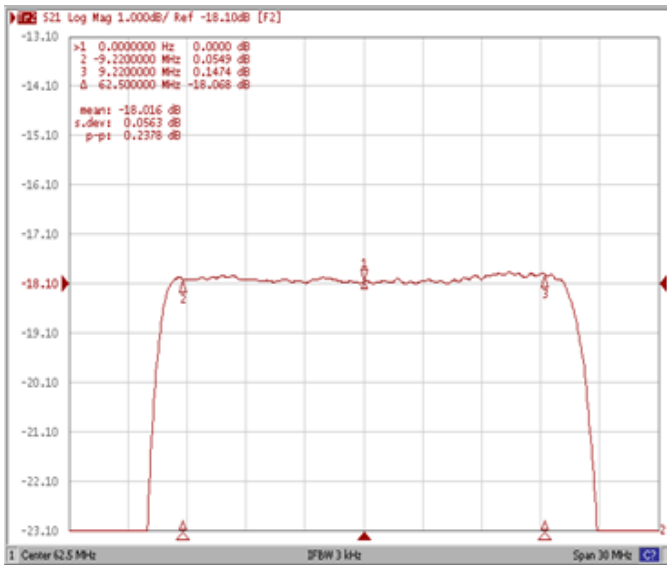
Wide-Band



Frequency Response

Ripple Variation 62.5MHz \pm 9.22MHz

Group Delay Variation 62.5MHz \pm 9.22MHz



Ripple Variation 62.5MHz \pm 9.75MHz

Group Delay Variation 62.5MHz \pm 9.75MHz

