

TMX W302

LOW LOSS SAW BANDPASS FILTER – WIRELESS AUDIO – RF

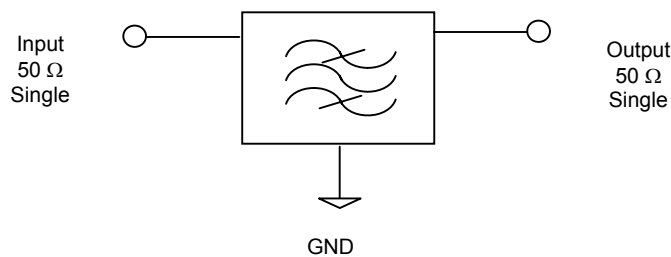
Specification (Rev. 1)

| Electrical Parameters | Unit | Minimum | Typical ⁽¹⁾ | Maximum |
|---|-----------------|----------------|------------------------|---------|
| Source Impedance (single ended) | Ω | - | 50 ⁽²⁾ | - |
| Load Impedance (single ended) | Ω | - | 50 ⁽²⁾ | - |
| Center Frequency fo | MHz | - | 864 | - |
| Relative Attenuation | | | | |
| 841.6 MHz to 843.6 MHz | dB | 40 | 44 | - |
| 852.3 MHz to 853.3 MHz | dB | 30 | 38 | - |
| Maximum Insertion Loss in 862.5 MHz-865.5 MHz | dB | - | 4.0 | 6.0 |
| Amplitude Ripple in 862.5 MHz-865.5 MHz | dB | - | 1.5 | 2.5 |
| Temperature Coefficient of Frequency | ppm/k | - | -30 | - |
| Package type & size | | | | |
| Length x Width | mm ² | - | 3.0 x 3.0 | - |
| Height | mm | - | 1.3 | 1.5 |
| Pin Out | | | | |
| Input | 2 | Output | 5 | |
| Case Ground | 1, 3, 4, 6 | To Be Grounded | 1, 3, 4, 6 | |

Notes :

- (1) Typical values are nominal performances at room temperature
- (2) No external matching circuit is required

50 Ω / 50 Ω Configuration



Maximum Ratings

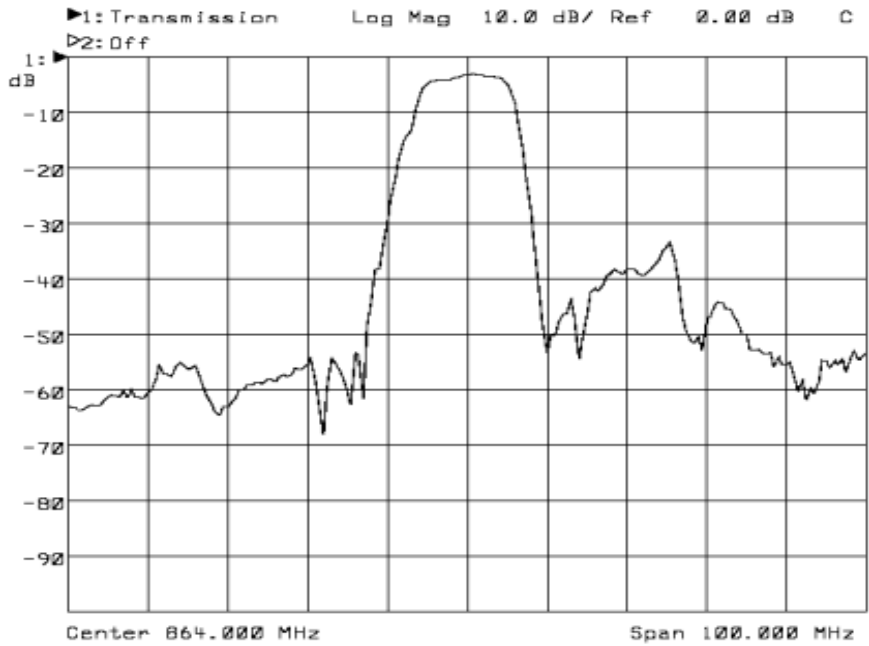
| Rating | Unit | Value |
|-----------------------------|------------|-------|
| Operating Temperature Range | -30 to +80 | °C |
| Storage Temperature Range | -40 to +85 | °C |
| DC Permissive Voltage | 10 | V |
| Input Power | 18 | dBm |

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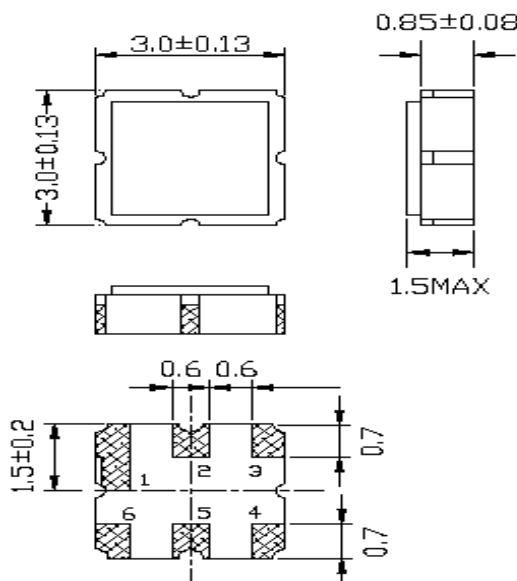
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TYPICAL S21 RESPONSE



Package Drawing

Unit: mm



| Pin No. | Function |
|---------|----------|
| 2. | Input |
| 5. | Output |
| other | Ground |