

70 MHz Bandpass SAW Filter

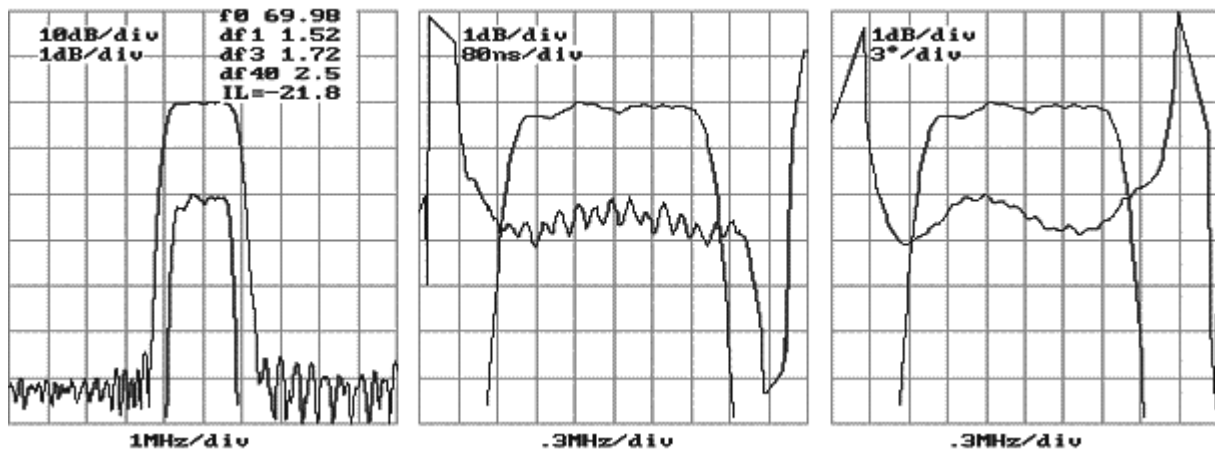
BP60360

1.5 MHz Bandwidth

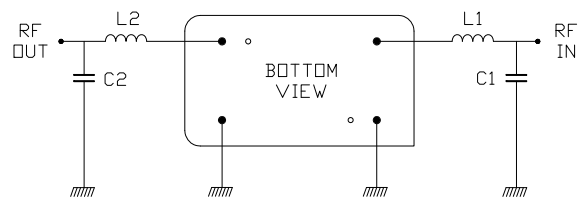
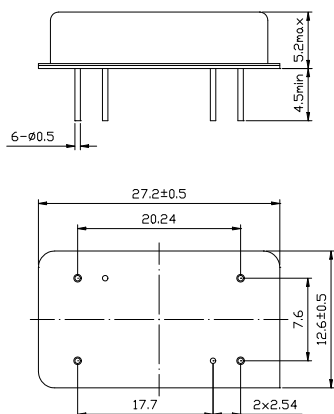
Complies with Directive 2002/95/EC (RoHS Compliant)

| Specifications | | | | | |
|--------------------------|-----------|---------|---------|---------|-----------|
| Parameter | Sym | Minimum | Typical | Maximum | Unit |
| Center Frequency at 25°C | f_c | 69.92 | 70 | 70.08 | MHz |
| Insertion Loss at f_c | IL | - | 21.7 | 25.0 | dB |
| 1 dB Bandwidth | BW_1 | 1.3 | 1.5 | - | MHz |
| 3 dB Bandwidth | BW_3 | 1.5 | 1.7 | - | MHz |
| 40dB Bandwidth | BW_{40} | - | 2.5 | 2.7 | MHz |
| Passband Variation | - | - | 0.4 | 0.8 | dB |
| Phase Linearity | - | - | 5.0 | 7.0 | Deg |
| Group Delay Variation | - | - | 80 | 150 | nsec |
| Absolute Delay | - | - | 3.2 | 3.5 | μ sec |
| Ultimate Rejection | - | 50 | 55 | - | dB |
| Substrate Material | - | - | Quartz | - | - |
| Ambient Temperature | T_a | - | 25 | - | °C |

Typical Performance



Package Outline
Matching Configuration



L1 = L2 = 270 nH
 C1 = C2 = 30 pF
 Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board