

140 MHz Bandpass SAW Filter

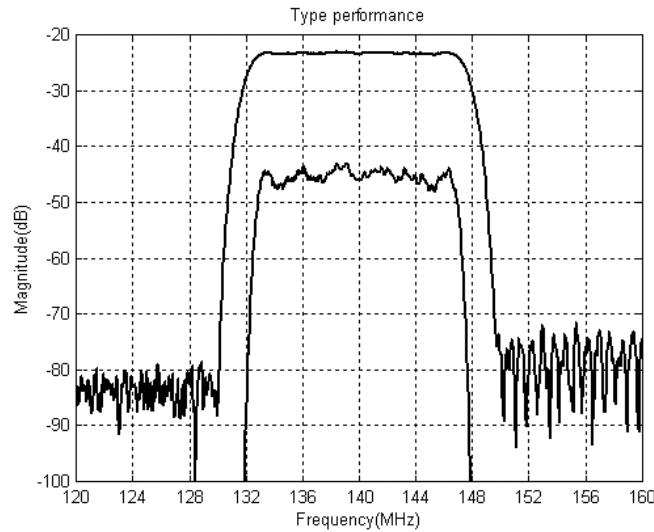
BP62151

15 MHz Bandwidth

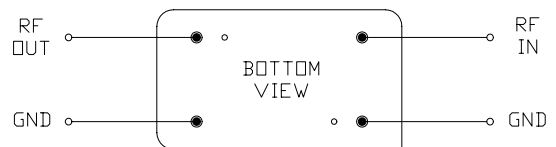
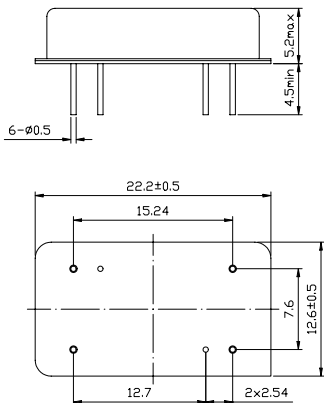
Complies with Directive 2002/95/EC (RoHS Compliant)

| Electrical Characteristics | | | | | |
|----------------------------|----------------|---------|-----------------------|---------|-----------|
| Parameter | Sym | Minimum | Typical | Maximum | Unit |
| Center Frequency at 25°C | f_c | 139.85 | 140.00 | 140.15 | MHz |
| Insertion Loss at f_c | IL | - | 22.8 | 24.0 | dB |
| 1dB Bandwidth | BW_1 | 15.00 | 15.03 | - | MHz |
| 3 dB Bandwidth | BW_3 | 15.05 | 15.35 | - | MHz |
| 40dB Bandwidth | BW_{40} | - | 16.54 | 16.60 | MHz |
| 50dB Bandwidth | BW_{50} | - | 16.85 | 16.60 | MHz |
| Phase Linearity | - | - | 4 | 6 | Deg |
| Passband Variation | $\Delta\alpha$ | - | 0.5 | 1.0 | dB |
| Group Delay Variation | - | - | 65 | 90 | nsec |
| Absolute Delay | - | - | 2.47 | 3 | μ sec |
| Ultimate Rejection | α_{rej} | 50 | 55 | - | dB |
| Substrate Material | - | - | YZ-LiNbO ₃ | - | - |
| Ambient Temperature | T_a | - | +25 | - | °C |
| Package Type | - | DIP2212 | | | |

Typical Performance



Package Outline
Matching Configuration



No Matching Required

Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board