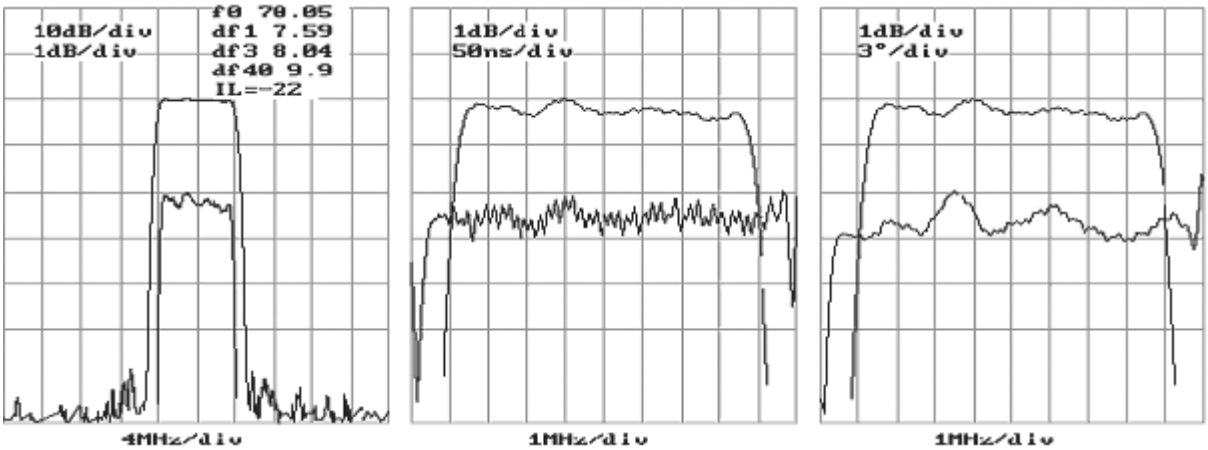
# 70 MHz Bandpass SAW Filter

## 7.5 MHz Bandwidth

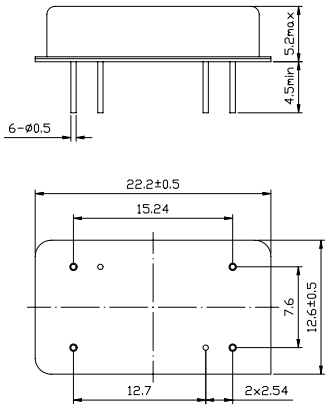
**BP60240**

| Specifications | | | | | |
|---|---|---|---|---|---|
| Parameter | Sym | Minimum | Typical | Maximum | Unit |
| Center Frequency at 25°C | fc | 69.2 | 70 | 70.8 | MHz |
| Insertion Loss at fc | IL | - | 22.0 | 24.0 | dB |
| 1 dB Bandwidth | $BW_1$ | 7.3 | 7.5 | - | MHz |
| 3 dB Bandwidth | $BW_3$ | 7.5 | 8.0 | - | MHz |
| 40dB Bandwidth | $BW_{40}$ | - | 9.7 | 10.0 | MHz |
| Passband Variation | - | - | 0.5 | 0.8 | dB |
| Phase Linearity | - | - | 4.0 | 6.0 | Deg |
| Group Delay Variation | - | - | 60 | 120 | nsec |
| Absolute Delay | - | - | 2.1 | - | µsec |
| Ultimate Rejection | - | 50 | 58 | - | dB |
| Substrate Material | - | - | YZ-$LiNbO_3$ | - | - |
| Ambient Temperature | Ta | - | 25 | - | °C |

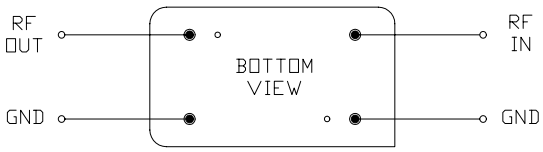
### Typical Performance




### Package Outline




### Matching Configuration




No Matching Required

Nominal Source/Load Impedance : 50 Ω



© 2004 by Vanlong Technology Co., Ltd.