

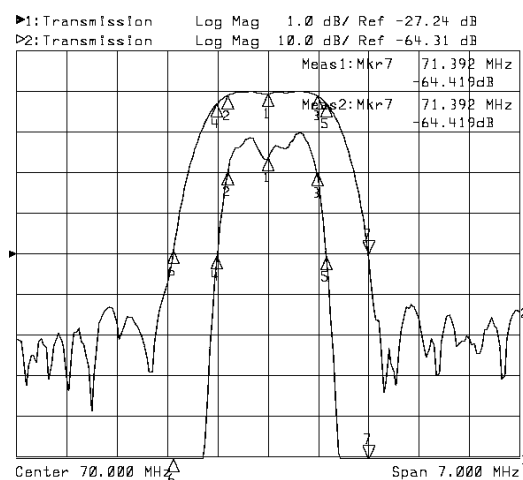
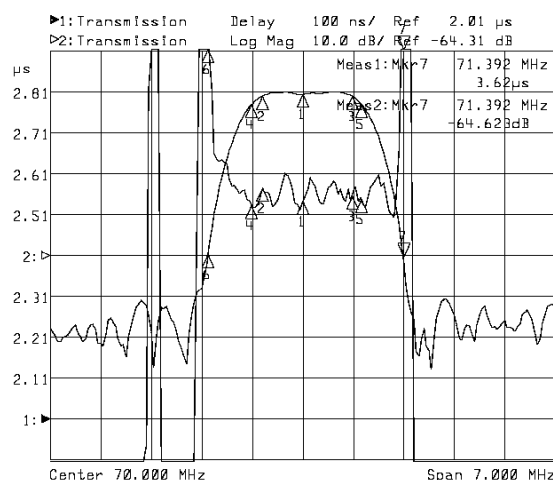
## 70 MHz Bandpass SAW Filter

1.5 MHz Bandwidth

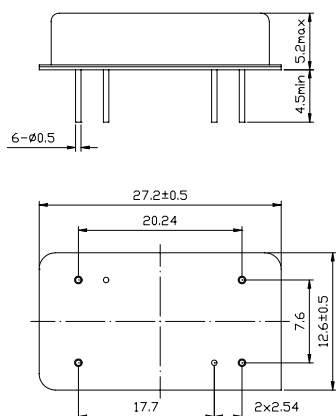
BP60361

| Specifications              |                  |         |         |         |      |
|-----------------------------|------------------|---------|---------|---------|------|
| Parameter                   | Sym              | Minimum | Typical | Maximum | Unit |
| Center Frequency at 25°C    | fc               | 69.93   | 70.0    | 70.07   | MHz  |
| Insertion Loss at fc        | IL               | -       | 24.8    | 26      | dB   |
| 1 dB Bandwidth              | BW <sub>1</sub>  | 1.20    | 1.24    | -       | MHz  |
| 3 dB Bandwidth              | BW <sub>3</sub>  | 1.45    | 1.52    | -       | MHz  |
| 40dB Bandwidth              | BW <sub>40</sub> | -       | 2.71    | 2.8     | MHz  |
| Passband Variation          | -                | -       | 0.6     | 0.9     | dB   |
| Phase Linearity             | -                | -       | -       | -       | Deg  |
| Group Delay Variation       | -                | -       | 100     | 150     | nsec |
| Absolute Delay              | -                | -       | 2.54    | -       | μsec |
| Ultimate Rejection          | -                | 50      | 55      | -       | dB   |
| Substrate Material          | -                | -       | Quartz  | -       | -    |
| Ambient Temperature         | Ta               | -       | 25      | -       | °C   |
| Operating Temperature Range | To               | -55     | 25      | 85      | °C   |

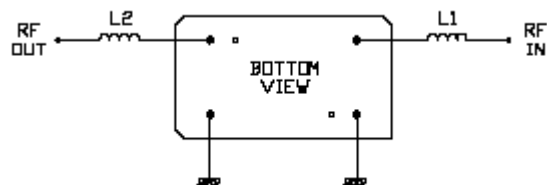
## Typical Performance



## Package Outline



## Matching Configuration



L1 : 270 nH

L2 : 330 nH

Nominal Source/Load Impedance : 50 Ω