

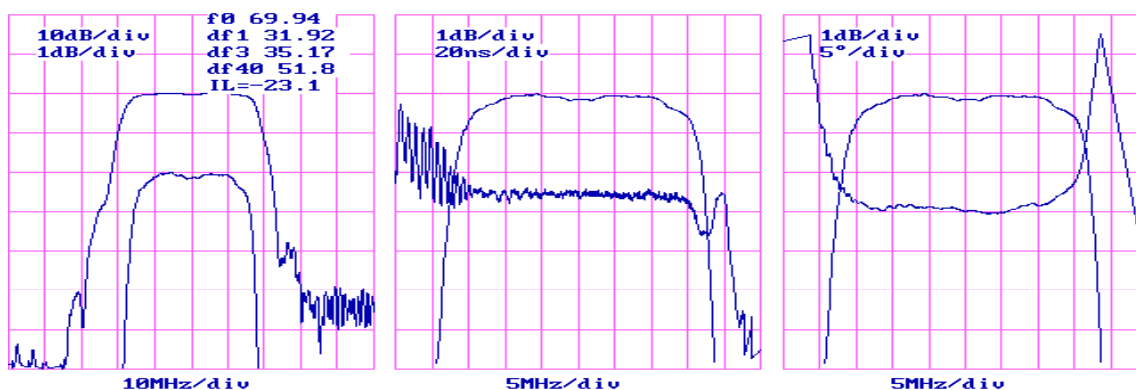
## 70 MHz Bandpass SAW Filter

34 MHz Bandwidth

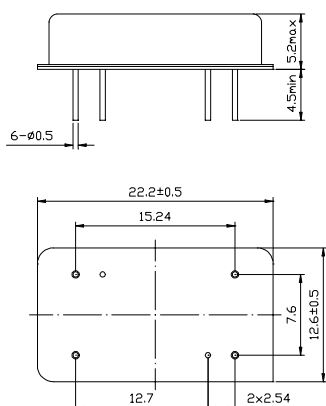
LBN7004

| Specifications              |                  |         |                        |         |      |
|-----------------------------|------------------|---------|------------------------|---------|------|
| Parameter                   | Sym              | Minimum | Typical                | Maximum | Unit |
| Center Frequency at 25°C    | fc               | 69.8    | 70                     | 70.2    | MHz  |
| Insertion Loss at fc        | IL               | -       | 23.1                   | 25.0    | dB   |
| 1 dB Bandwidth              | BW <sub>1</sub>  | 31.0    | 31.9                   | -       | MHz  |
| 3 dB Bandwidth              | BW <sub>3</sub>  | 34.0    | 35.1                   | -       | MHz  |
| 40dB Bandwidth              | BW <sub>40</sub> | -       | 51.8                   | 52.8    | MHz  |
| Passband Variation          | -                | -       | 0.4                    | 1.0     | dB   |
| Phase Linearity             | -                | -       | 6.0                    | 7.0     | Deg  |
| Group Delay Variation       | -                | -       | 20                     | 30      | nsec |
| Absolute Delay              | -                | -       | 2                      | -       | μsec |
| Ultimate Rejection          | -                | 45      | 50                     | -       | dB   |
| Substrate Material          | -                | -       | 128-LiNbO <sub>3</sub> | -       | -    |
| Ambient Temperature         | Ta               | -       | 25                     | -       | °C   |
| Operating Temperature Range | To               | -55     | 25                     | 85      | °C   |

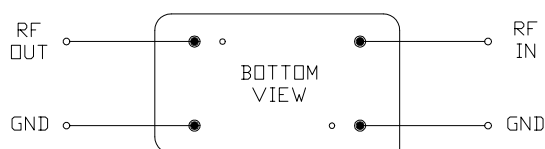
## Typical Performance



## Package Outline



## Matching Configuration



No Matching Required

Nominal Source/Load Impedance : 50 Ω