

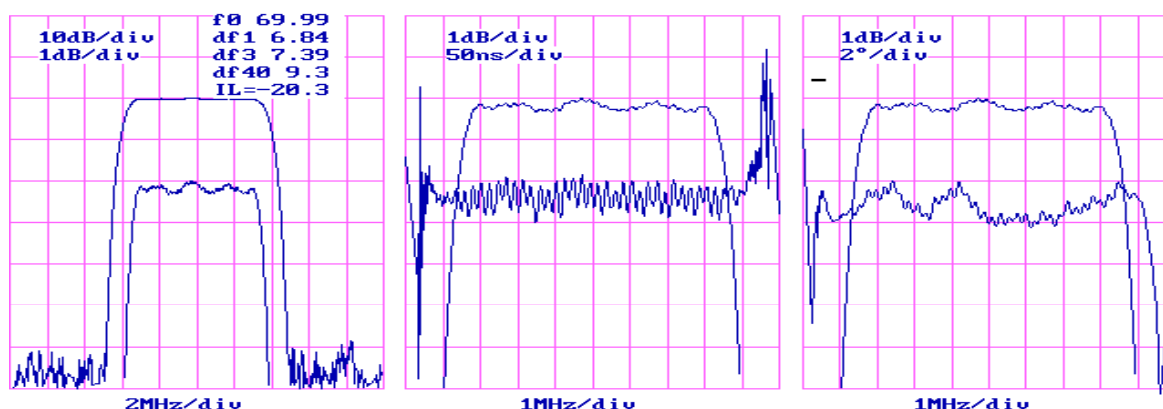
## 70 MHz Bandpass SAW Filter

7 MHz Bandwidth

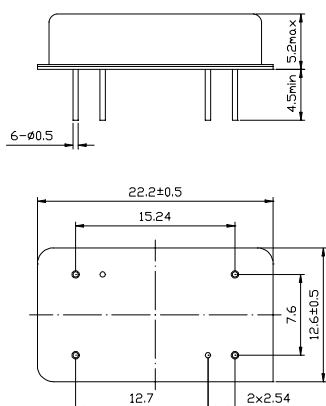
LBN7025

| Specifications              |                  |         |                       |         |      |
|-----------------------------|------------------|---------|-----------------------|---------|------|
| Parameter                   | Sym              | Minimum | Typical               | Maximum | Unit |
| Center Frequency at 25°C    | fc               | 69.9    | 70                    | 70.1    | MHz  |
| Insertion Loss at fc        | IL               | -       | 20.3                  | 22.0    | dB   |
| 1 dB Bandwidth              | BW <sub>1</sub>  | 6.5     | 6.8                   | -       | MHz  |
| 3 dB Bandwidth              | BW <sub>3</sub>  | 7.0     | 7.3                   | -       | MHz  |
| 40dB Bandwidth              | BW <sub>40</sub> | -       | 9.3                   | 9.7     | MHz  |
| Passband Variation          | -                | -       | 0.3                   | 0.8     | dB   |
| Phase Linearity             | -                | -       | 2.0                   | 4.0     | Deg  |
| Group Delay Variation       | -                | -       | 50                    | 100     | nsec |
| Absolute Delay              | -                | -       | 2.2                   | -       | μsec |
| Ultimate Rejection          | -                | 50      | 60                    | -       | dB   |
| Substrate Material          | -                | -       | YZ-LiNbO <sub>3</sub> | -       | -    |
| Ambient Temperature         | Ta               | -       | 25                    | -       | °C   |
| Operating Temperature Range | To               | -55     | 25                    | 85      | °C   |

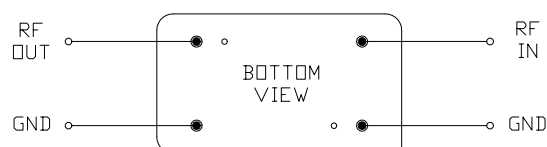
## Typical Performance



## Package Outline



## Matching Configuration



No Matching Required

Nominal Source/Load Impedance : 50 Ω