

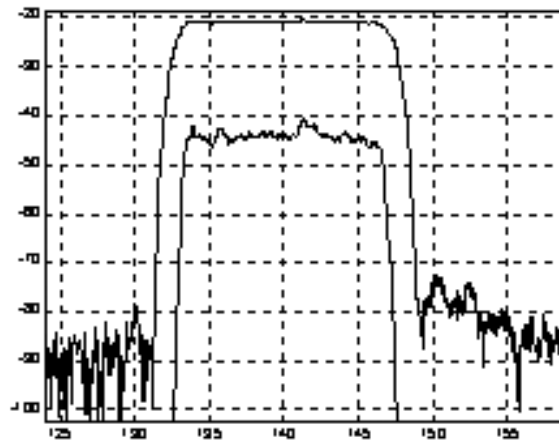
# 140 MHz Bandpass SAW Filter

## 14 MHz Bandwidth

# BP62150

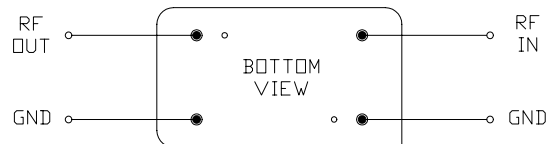
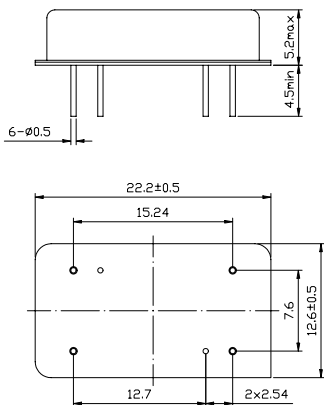
| Electrical Characteristics |                  |         |                       |         |      |
|----------------------------|------------------|---------|-----------------------|---------|------|
| Parameter                  | Sym              | Minimum | Typical               | Maximum | Unit |
| Center Frequency at 25°C   | fc               | 139.8   | 140                   | 140.2   | MHz  |
| Insertion Loss at fc       | IL               | -       | 23.0                  | 25.0    | dB   |
| 1dB Bandwidth              | BW <sub>1</sub>  | 13.2    | 13.4                  | -       | MHz  |
| 3 dB Bandwidth             | BW <sub>3</sub>  | 14.0    | 14.1                  | -       | MHz  |
| 40dB Bandwidth             | BW <sub>40</sub> | -       | 16.9                  | 17.4    | MHz  |
| Passband Variation         | -                | -       | 0.7                   | 1.0     | dB   |
| Phase Linearity            | -                | -       | 3.0                   | 5.0     | Deg  |
| Absolute Delay             | -                | -       | 1.25                  | -       | μsec |
| Ultimate Rejection         | -                | 50      | 55                    | -       | dB   |
| Substrate Material         | -                | -       | YZ-LiNbO <sub>3</sub> | -       | -    |
| Ambient Temperature        | T <sub>a</sub>   | -       | 25                    | -       | °C   |

### Typical Performance



### Package Outline

### Matching Configuration



No Matching Required

Nominal Source/Load Impedance : 50 Ω