

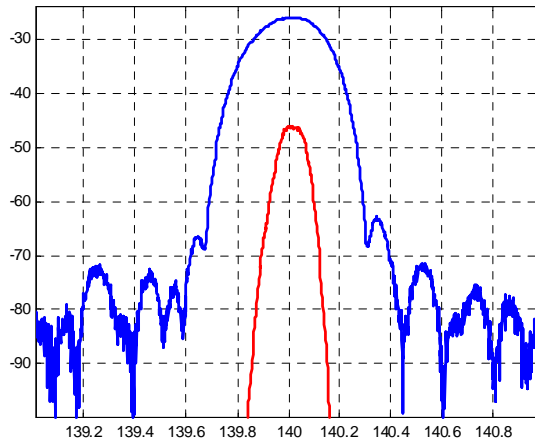
140 MHz Bandpass SAW Filter

200 KHz Bandwidth

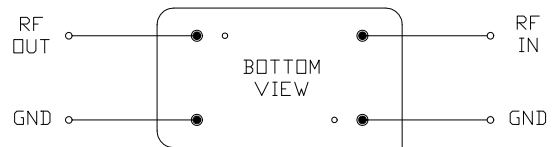
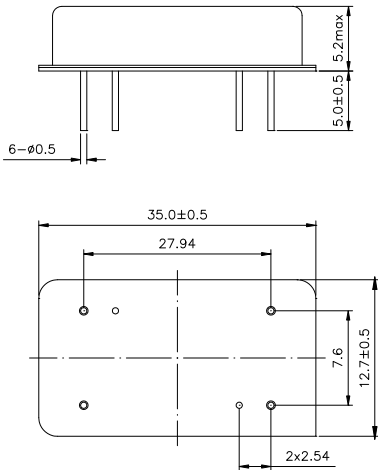
**BP62320**

| Electrical Characteristics  |                  |         |         |         |      |
|-----------------------------|------------------|---------|---------|---------|------|
| Parameter                   | Sym              | Minimum | Typical | Maximum | Unit |
| Center Frequency at 25°C    | fc               | 139.95  | 140     | 140.05  | MHz  |
| Insertion Loss at fc        | IL               | -       | 24.0    | 25.0    | dB   |
| 1 dB Bandwidth              | BW <sub>1</sub>  | -       | 0.15    | -       | MHz  |
| 2 dB Bandwidth              | BW <sub>2</sub>  | 0.20    | 0.22    | -       | MHz  |
| 10dB Bandwidth              | BW <sub>10</sub> | -       | 0.39    | -       | MHz  |
| 40dB Bandwidth              | BW <sub>40</sub> | -       | 0.62    | 0.68    | MHz  |
| Passband Variation          | -                | -       | 0.2     | 1.0     | dB   |
| Absolute Delay              | -                | -       | 4.61    | 5.00    | μsec |
| Ultimate Rejection          | -                | 45      | 50      | -       | dB   |
| Substrate Material          | -                | -       | Quartz  | -       | -    |
| 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