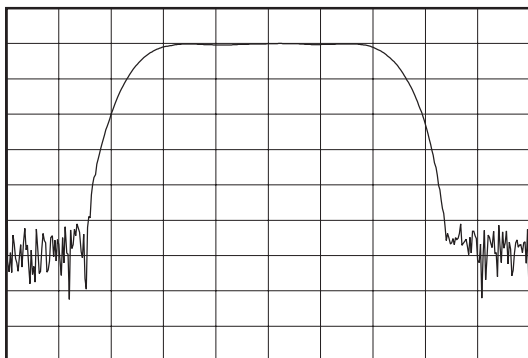
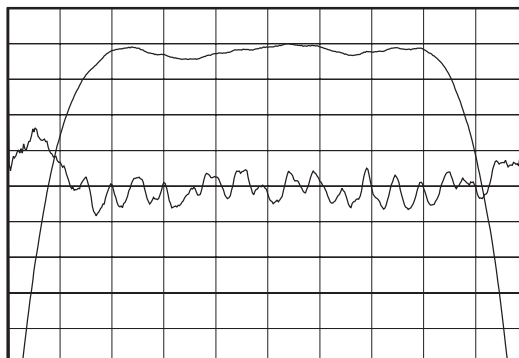


# Data Sheet

## Typical Performance



Horizontal: 800 kHz/Div  
 Vertical: 10 dB/Div

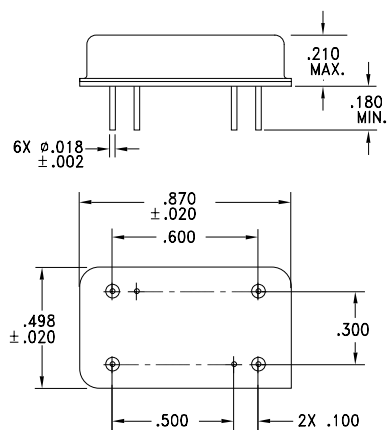


Horizontal: 450 kHz/Div  
 Vertical: 1 dB/Div  
 Vertical: 25 nsec/Div

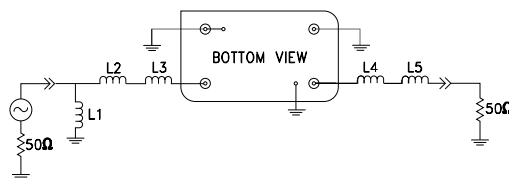
## Specifications

| Parameter               | Unit         | Minimum | Typical | Maximum |
|-------------------------|--------------|---------|---------|---------|
| Center Frequency        | MHz          | 69.91   | 70      | 70.09   |
| Insertion Loss at $f_0$ | dB           | -       | 25.7    | 28.5    |
| 1 dB Bandwidth          | MHz          | 3       | 3.18    | -       |
| 3 dB Bandwidth          | MHz          | 3.5     | 3.62    | -       |
| 40 dB Bandwidth         | MHz          | -       | 5.31    | 5.6     |
| Passband Variation      | dB           | -       | 0.5     | 0.8     |
| Phase Linearity         | deg          | -       | 3       | 8       |
| Group Delay Variation   | nsec         | -       | 50      | 100     |
| Absolute Delay          | $\mu$ sec    | -       | 2.3     | -       |
| Ultimate Rejection      | dB           | 50      | 60      | -       |
| Substrate Material      | -            | -       | Quartz  | -       |
| Ambient Temperature     | $^{\circ}$ C | -       | 25      | -       |

## Package Outline



## Matching Configuration



L1 = 150 nH, L2 = 18 nH, L3 = 470 nH  
 L4 = 33 nH, L5 = 470 nH  
 Nominal Source/Load Impedance = 50 $\Omega$   
 Package Style I

8/9/00