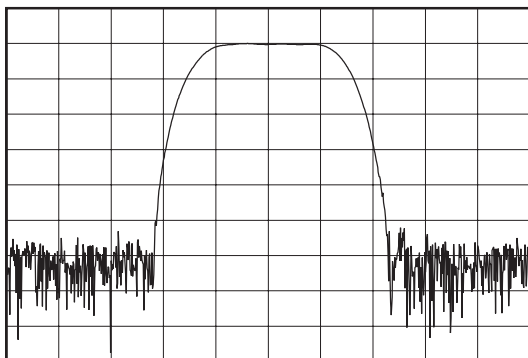
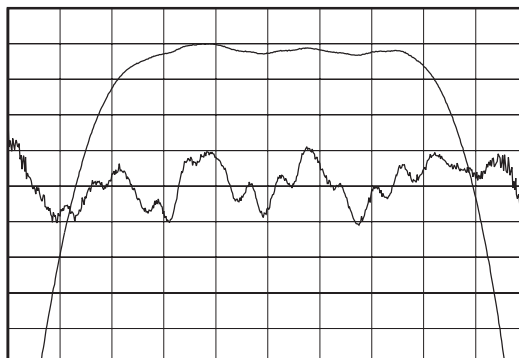


### Typical Performance



Horizontal: 1 MHz/Div  
Vertical: 10 dB/Div

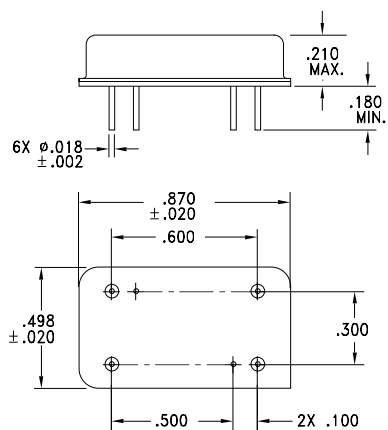


Horizontal: 350 kHz/Div  
Vertical: 1 dB/Div  
Vertical: 25 nsec/Div

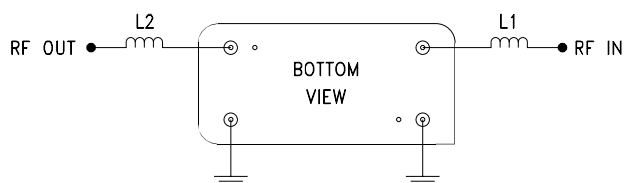
### Specifications

| Parameter             | Unit | Minimum | Typical | Maximum |
|-----------------------|------|---------|---------|---------|
| Center Frequency      | MHz  | 139.85  | 140     | 140.15  |
| Insertion Loss        | dB   | -       | 25.6    | 27.5    |
| 1 dB Bandwidth        | MHz  | 2       | 2.13    | -       |
| 3 dB Bandwidth        | MHz  | 2.5     | 2.556   | -       |
| 40 dB Bandwidth       | MHz  | -       | 4.2     | 4.5     |
| Passband Variation    | dB   | -       | 0.21    | 0.5     |
| Phase Linearity       | deg  | -       | 1.2     | 3       |
| Group Delay Variation | nsec | -       | 35      | 100     |
| Absolute Delay        | μsec | -       | 2.391   | -       |
| Ultimate Rejection    | dB   | 50      | 60      | -       |
| Substrate Material    | -    | -       | Quartz  | -       |
| Ambient Temperature   | °C   | -       | 25      | -       |

### Package Outline



### Matching Configuration



L1 = 103 nH , L2 = 105 nH  
 Nominal Source/Load Impedance = 50Ω  
 Package Style I

11/24/99