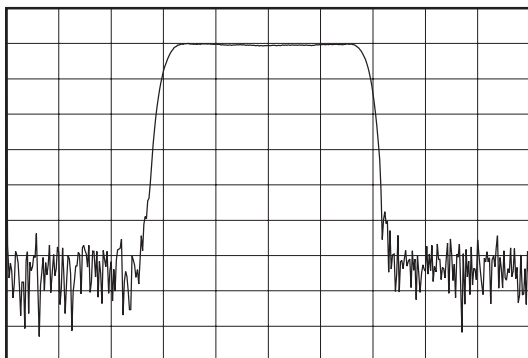
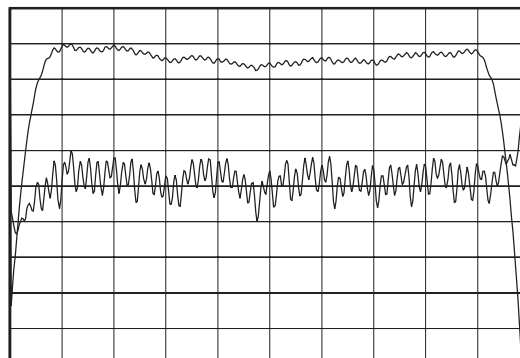


#### Typical Performance



Horizontal: 5 MHz/Div  
Vertical: 10 dB/Div

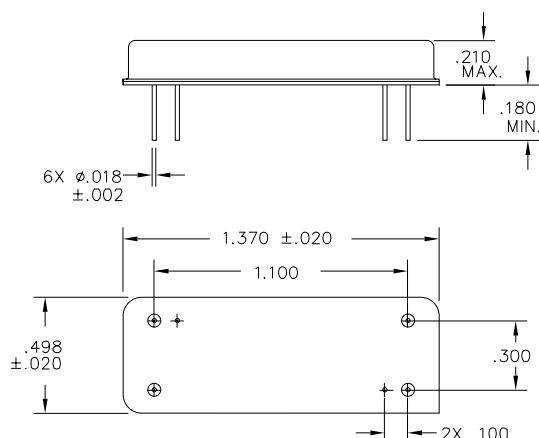


Horizontal: 2 MHz/Div  
Vertical: 1 dB/Div  
Vertical: 15 nsec/Div

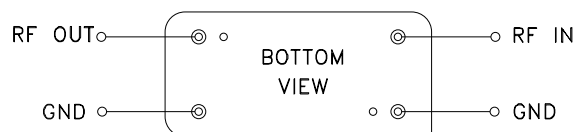
#### Specifications

| Parameter                   | Unit      | Minimum | Typical               | Maximum |
|-----------------------------|-----------|---------|-----------------------|---------|
| Center Frequency            | MHz       | 158.5   | 160                   | 161.5   |
| Insertion Loss at $f_0$     | dB        | -       | 23.7                  | 25.5    |
| 1 dB Bandwidth              | MHz       | 17.6    | 17.8                  | -       |
| 3 dB Bandwidth              | MHz       | 18      | 18.6                  | -       |
| 40 dB Bandwidth             | MHz       | -       | 22                    | 22.3    |
| Passband Variation          | dB        | -       | 0.66                  | 1       |
| Phase Linearity             | deg       | -       | 3.8                   | 5       |
| Group Delay Variation       | nsec      | -       | 60                    | 80      |
| Absolute Delay              | $\mu$ sec | -       | 1.51                  | -       |
| Ultimate Rejection          | dB        | 55      | 60                    | -       |
| Substrate Material          | -         | -       | YZ LiNbO <sub>3</sub> | -       |
| Operating Temperature Range | °C        | -55     | 25                    | 85      |

#### Package Outline



#### Matching Configuration



No Matching Required  
Nominal Source/Load Impedance = 50 $\Omega$   
Package Style W

11/29/99