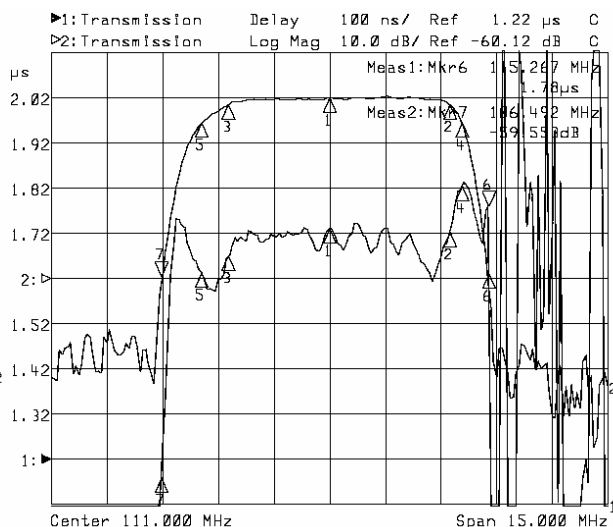
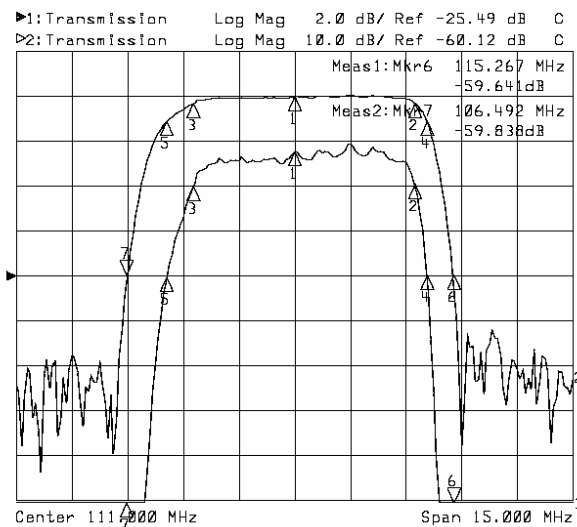


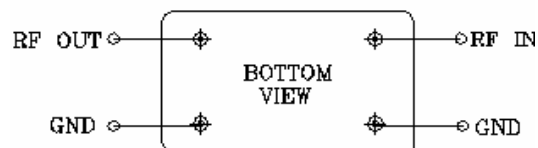
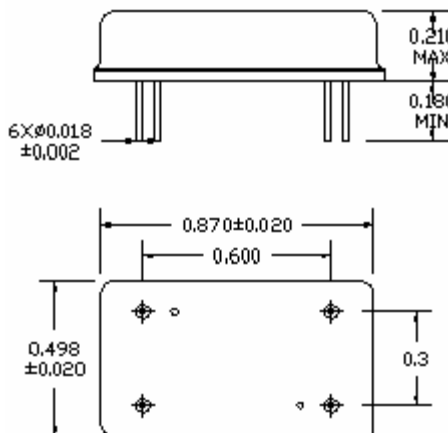
## 1. Specifications

| Parameter                        | Unit | Minimum | Typical               | Maximum |
|----------------------------------|------|---------|-----------------------|---------|
| Center Frequency                 | MHz  | 110.80  | 111.00                | 111.20  |
| Insertion Loss at F <sub>0</sub> | dB   |         | 20.50                 | 21.40   |
| 1 dB Bandwidth                   | MHz  | 5.65    | 5.95                  |         |
| 3 dB Bandwidth                   | MHz  | 6.75    | 6.95                  |         |
| 40dB Bandwidth                   | MHz  |         | 8.78                  | 8.92    |
| Passband Variation               | dB   |         | 0.60                  | 1.30    |
| Group Delay Variation            | nsec |         | 120                   | 150     |
| Absolute Delay                   | usec |         | 1.72                  | 1.75    |
| Ultimate Rejection               | dB   | 48      | 50                    |         |
| Substrate Material               | -    |         | YZ-LiNbO <sub>3</sub> |         |
| Ambient Temperature              | °C   | -40     | 25                    | 80      |

## 2. Typical Performance



## 3. Package



No Matching Required  
Source/Load Impedance=50ohm  
Package Style XI

## 4. Marking

S111M060