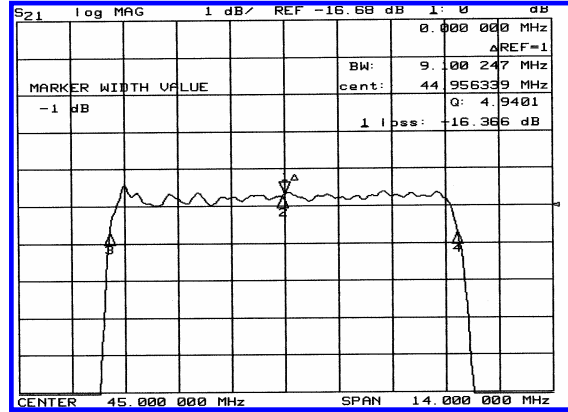
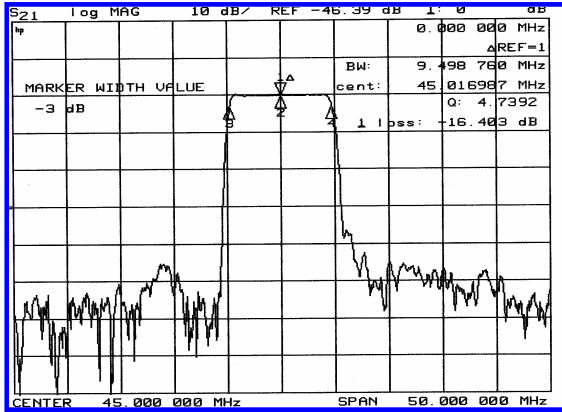


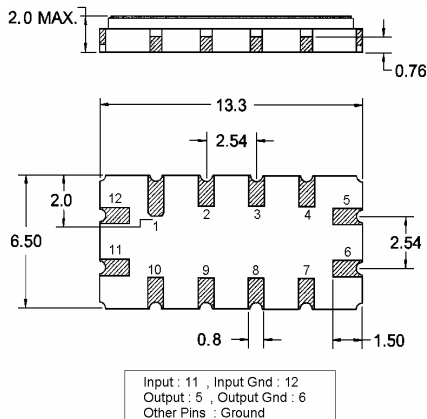
Typical Performance



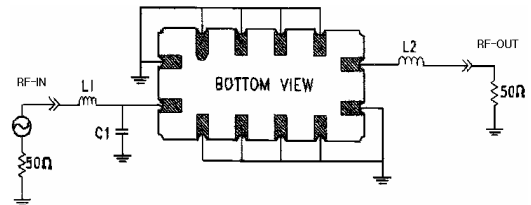
Specification

| Parameter               | Unit   | Min.                  | Typ.  | Max.  |
|-------------------------|--------|-----------------------|-------|-------|
| Center Frequency        | Mhz    | 44.90                 | 45.00 | 45.10 |
| Insertion Loss          | dB     | -                     | 16.5  | 18.0  |
| 1dB Bandwidth           | Mhz    | 9.00                  | 9.10  | -     |
| 3dB Bandwidth           | Mhz    | 9.30                  | 9.48  | -     |
| 20dB Bandwidth          | Mhz    | -                     | 10.70 | 11.00 |
| Passband Ripple         | dB     | -                     | 0.55  | 1.00  |
| Group Delay Variation   | nsec   | -                     | 50    | 100   |
| Absolute Delay          | µsec   | -                     | 1.4   | -     |
| Ultimate Attenuation    | dB     | 40                    | 45    | -     |
| Substrate Material      | -      | YZ-LiNbO <sub>3</sub> |       |       |
| Temperature Coefficient | ppm/°C | -94                   |       |       |

Package Dimension



Matching Configuration



L1 = 0.22µH, L2 = 0.15µH, C1=51pF  
Source / Load Impedance = 50Ω  
Ambient Temperature = 25°C