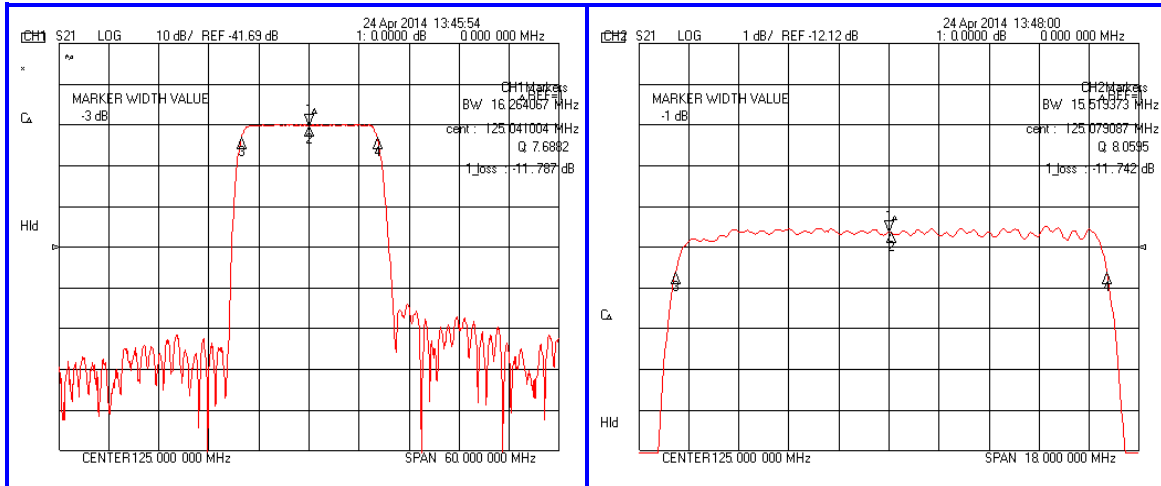


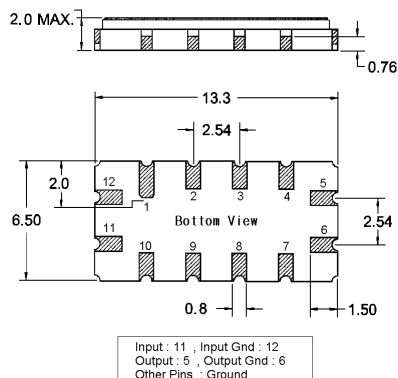
### Typical Performance



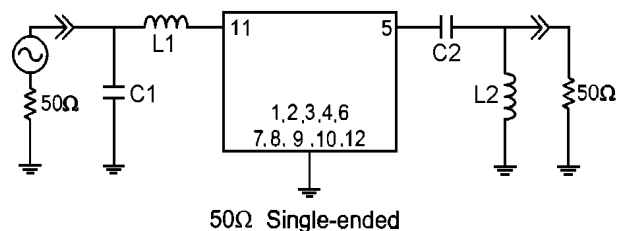
### Specification

| Parameter  | Unit                    | Min.                        | Typ.   | Max.  |
|--|-------------------------|-----------------------------|--------|-------|
| Center Frequency                                 | MHz                     | -                           | 125.00 | -     |
| Insertion Loss                                   | dB                      | -                           | 12.00  | 14.00 |
| 1dB Bandwidth                                    | MHz                     | 15.20                       | 15.52  | -     |
| 40dB Bandwidth                                   | MHz                     | -                           | 19.40  | 19.80 |
| Passband Ripple( $F_c \pm 7.4\text{MHz}$ )       | dB                      | -                           | 0.55   | 1.00  |
| Group Delay Variation( $F_c \pm 7.4\text{MHz}$ ) | nsec                    | -                           | 50     | 100   |
| Absolute Delay                                   | $\mu\text{sec}$         | -                           | 0.98   | -     |
| Attenuation                                      |                         |                             |        |       |
| Freq. edge $\pm 15\text{MHz}$                    | dB                      | 45                          | 50     | -     |
| Freq. edge $\pm 30\text{MHz}$                    | dB                      | 50                          | 55     | -     |
| Substrate Material /                             | ppm/ $^{\circ}\text{C}$ | Yz-LiNbO <sub>3</sub> / -86 |        |       |
| Package  | mm                      | 13.3 X 6.5                  |        |       |

### Package Dimension

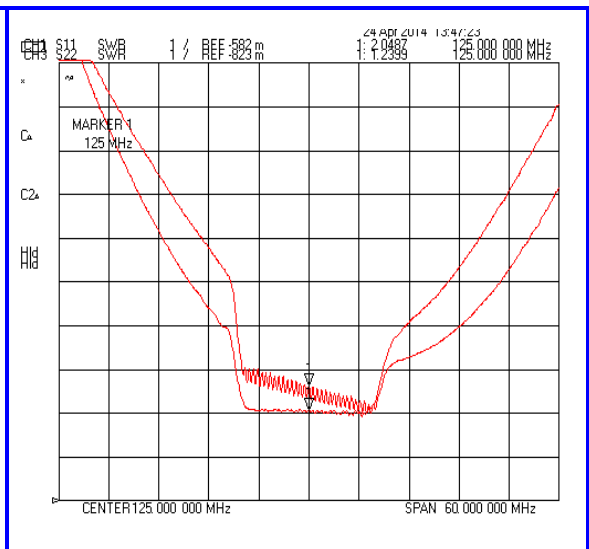
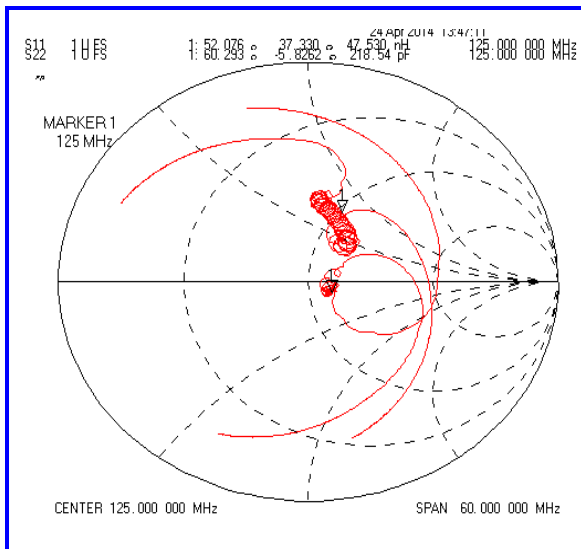
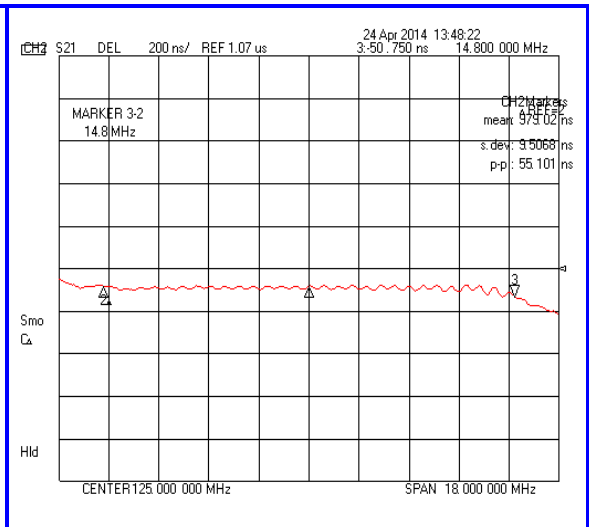
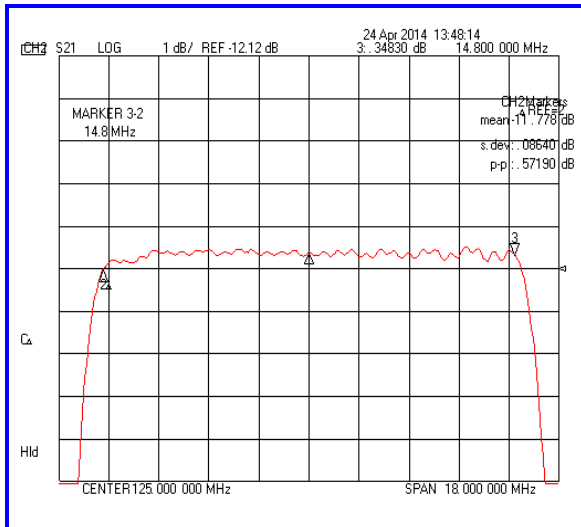
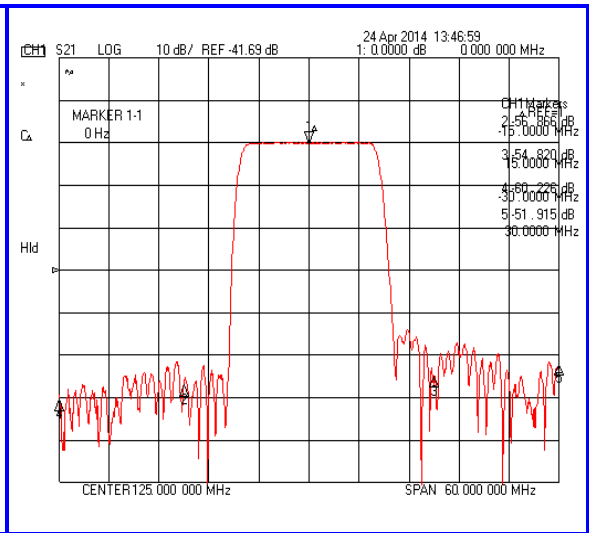
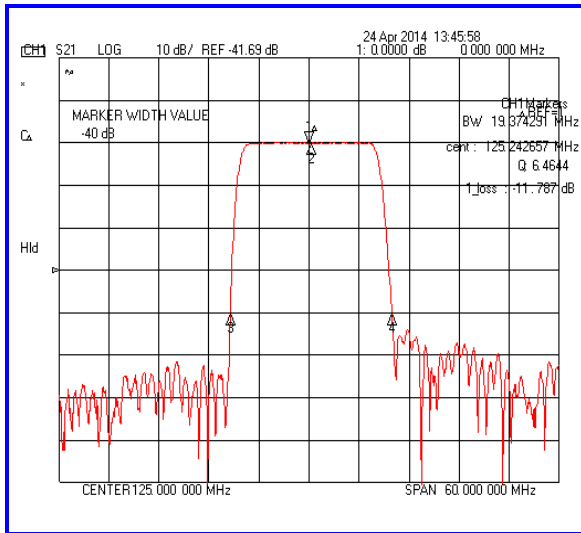


### Matching Configuration



L1=33nH, L2=27nH, C1=43pF, C2=130pF  
 Source / Load Impedance = 50Ω  
 Ambient Temperature = 25°C

Rev0. 140425



[www.ctech.co.kr](http://www.ctech.co.kr)