

## 1. Features

- Typical 1dB bandwidth of 19.2 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

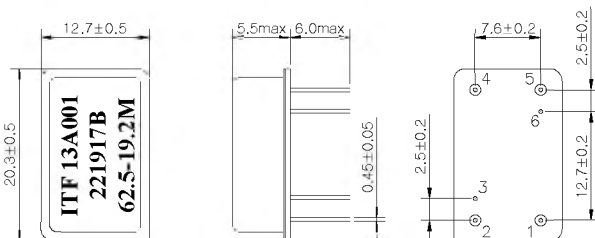
## 2. Electrical Specifications

Source and Load Impedance = 50Ω

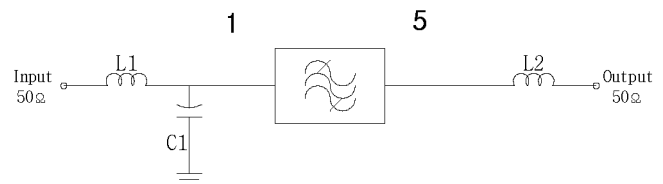
| Room Temperature : +25℃              |       | Minimum | Typical | Maximum |
|--------------------------------------|-------|---------|---------|---------|
| Center Frequency (fo)                | MHz   | -       | 62.5    | -       |
| Insertion Loss                       | dB    | -       | 22.0    | 23.5    |
| 1dB Bandwidth                        | MHz   | 19.1    | 19.25   | -       |
| 3dB Bandwidth                        | MHz   | -       | 19.62   | -       |
| 40dB Bandwidth                       | MHz   | -       | 21.2    | 21.4    |
| Amplitude Ripple (fo ± 9.22MHz)      | dB    | -       | 0.5     | 1.0     |
| Group Delay Variation (fo ± 9.22MHz) | nsec  | -       | 30      | 60      |
| Absolute Delay                       | usec  | -       | 2.06    | -       |
| Ultimate Rejection                   | dB    | 50      | 55      | -       |
| Temperature Coefficient of Frequency | ppm/℃ | -       | -72     | -       |

Input POWER : +10dBm

### D2012 Package Dimension



### Matching Schematic



$$L1 = L2 = 220\text{nH}, C1 = 2\text{pF}$$

Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated

Cap : Cu & Cr Alloy, Ni Plated

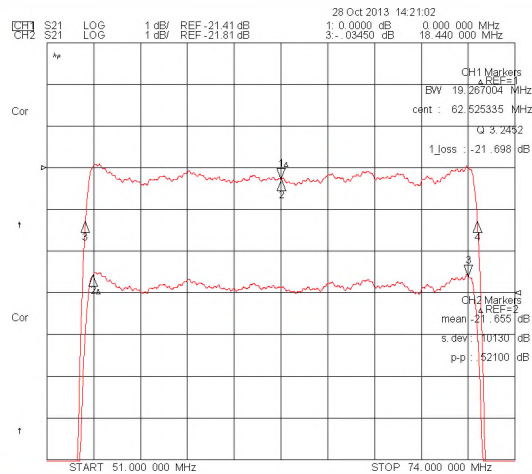
Termination : Kovar, Au Plated

### Pin Configuration

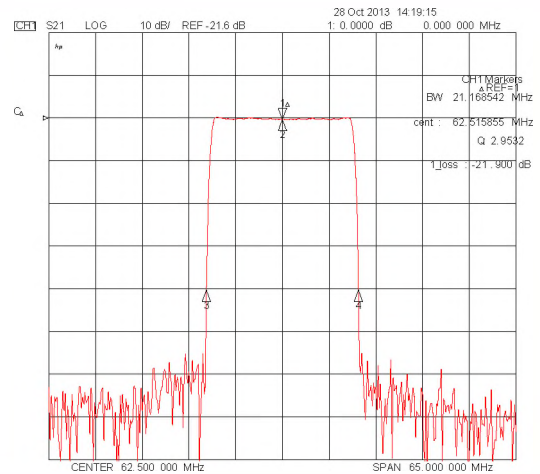
| Input  | 1 | Ground | 2,4    |
|--------|---|--------|--------|
| Output | 5 | Others | Ground |

### 3. Typical Performance ( at +25°C )

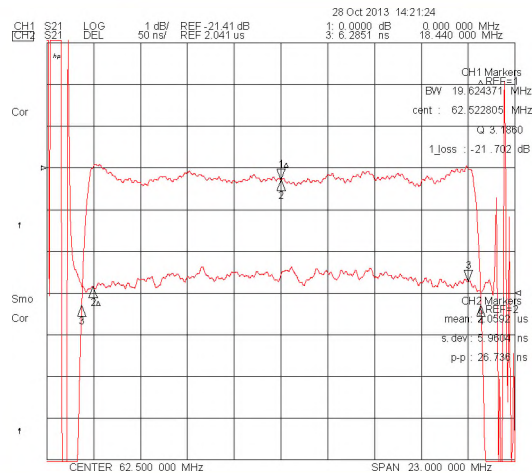
#### 1dB Bandwidth & Ripple



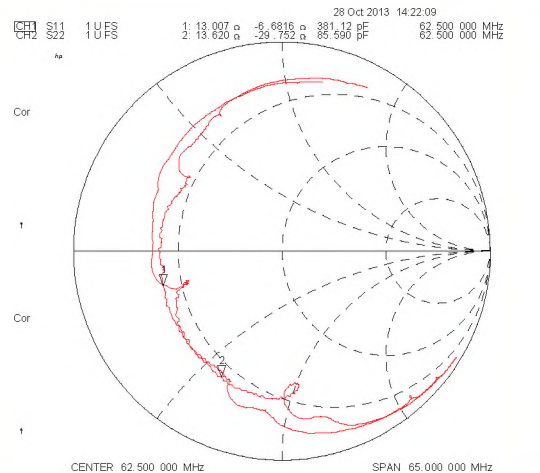
#### 40dB Bandwidth



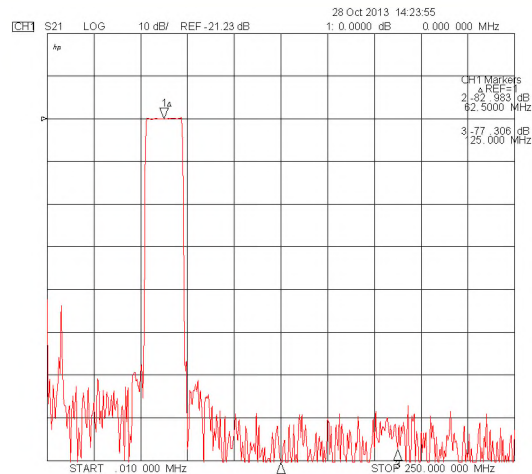
#### 3dB Bandwidth & Group Delay



#### Smith Chart



#### Wideband Properties



#### SWR (S11 & S22)

