

1. Features

- Typical 1dB bandwidth of 15.6 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

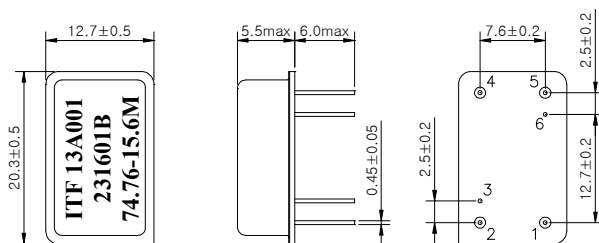
Operating Temperature : -30°C ~ +85°C

| | | Minimum | Typical | Maximum |
|--------------------------------------|--------|---------|---------|---------|
| Center Frequency (fo) | MHz | - | 74.76 | - |
| Insertion Loss | dB | - | 20.5 | 22.0 |
| 1dB Bandwidth | MHz | 15.50 | 15.62 | - |
| 3dB Bandwidth | MHz | - | 16.0 | - |
| 40dB Bandwidth | MHz | - | 17.71 | 17.85 |
| Amplitude Ripple (Fo±7.24MHz) | dB | - | 0.5 | 1.0 |
| Group Delay Variation (Fo±7.24MHz) | nsec | - | 40 | 80 |
| Absolute Delay | usec | - | 1.95 | - |
| Ultimate Rejection | dB | 50 | 55 | - |
| Temperature Coefficient of Frequency | ppm/°C | - | -72 | - |

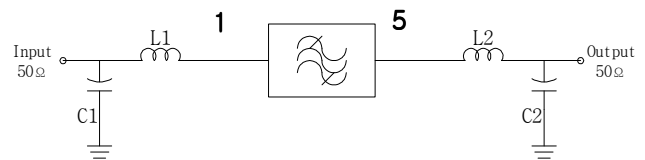
Room Temperature : +25°C

| | | Minimum | Typical | Maximum |
|------------------------------------|------|---------|---------|---------|
| Insertion Loss | dB | - | 20.5 | 22.0 |
| Amplitude Ripple (Fo±7.55MHz) | dB | - | 0.5 | 1.0 |
| Group Delay Variation (Fo±7.55MHz) | nsec | - | 40 | 80 |

D2012 Package Dimension



Matching Schematic



$$L1 = 100\text{nH}, L2 = 120\text{nH}, C1 = C2 = 10\text{pF}$$

Dimensions shown are nominal in millimeters

Base : Fe(SPC), Au plating over Ni plated
Cap : Cu & Cr Alloy, Ni Plated
Termination : Kovar, Au Plated

Pin Configuration

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

3. Typical Performance (at +25°C)

