

### 1. Features

- Typical 1dB bandwidth of 13.9 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

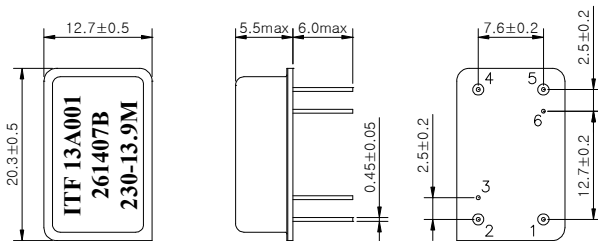
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

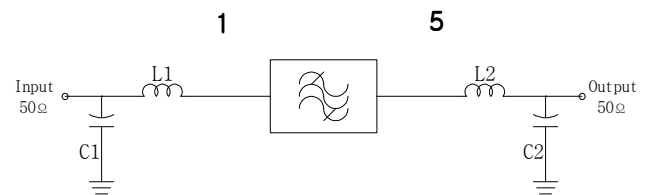
Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	229.84	230.0	230.16
Insertion Loss	dB	-	26.0	28.0
1dB Bandwidth	MHz	13.80	13.91	-
3dB Bandwidth	MHz	-	14.25	-
45dB Bandwidth	MHz	-	15.65	15.75
Amplitude Ripple (Fo±6.7575MHz)	dB	-	0.5	1.2
Group Delay Variation (Fo±6.7575MHz)	nsec	-	40	100
Absolute Delay	usec	-	2.29	2.30
Ultimate Rejection	dB	50	53	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-
Substrate Material	-		112-LT	

\* Input POWER : 10dBm

#### D2012 Package Dimension



#### Matching Schematic



$$L1 = L2 = 15\text{nH}, C1 = C2 = 33\text{pF}$$

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

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

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

