

### 1. Features

- Typical 1dB bandwidth of 10.2 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

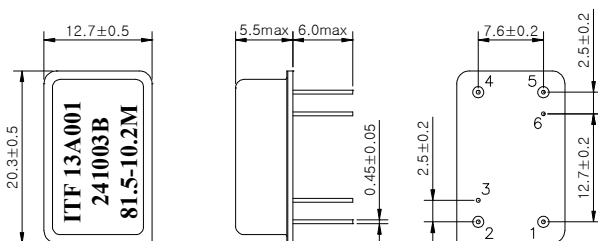
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

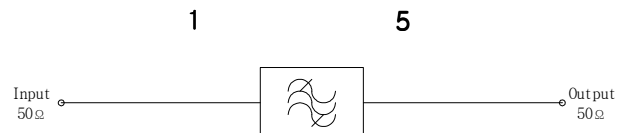
Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	81.5	-
Insertion Loss	dB	-	21.0	22.5
1 dB Bandwidth	MHz	10.0	10.22	-
3dB Bandwidth	MHz	-	10.55	-
40dB Bandwidth	MHz	-	11.95	12.0
Amplitude Ripple (fo ± 4.51 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 4.51 MHz)	nsec	-	50	100
Absolute Delay	usec	-	2.08	2.10
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-72		

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	21.0	22.5
Amplitude Ripple (fo ± 4.84 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 4.84 MHz)	nsec	-	50	100

#### D2012 Package Dimension



#### Matching Schematic



#### Unmatching Required

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

Dimensions shown are nominal in millimeters

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

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

