

### 1. Features

- Typical 1.5dB bandwidth of 2.5 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

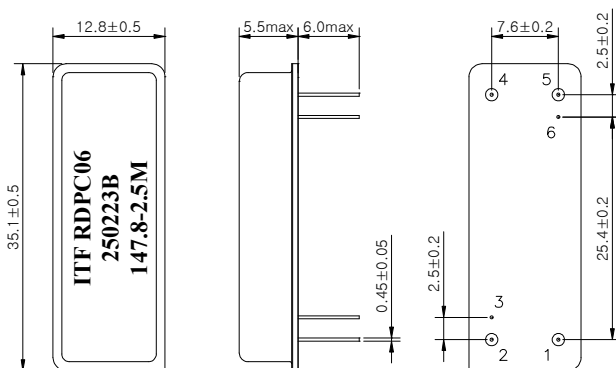
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	147.7	147.8	147.9
Insertion Loss	dB	-	24.5	26.5
1.5dB Bandwidth	MHz	2.4	2.56	-
3dB Bandwidth	MHz	-	2.7	-
40dB Bandwidth	MHz	-	3.45	3.6
Amplitude Ripple (fo ± 1.0 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 1.0 MHz)	nsec	-	150	300
Absolute Delay	usec	-	3.9	-
Ultimate Rejection	dB	45	50	
Relative Attenuation (fo ± 8.15MHz)	dBc	50	55	
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-	-0.03	-

Input POWER : +10dBm

#### D3512 Package Dimension

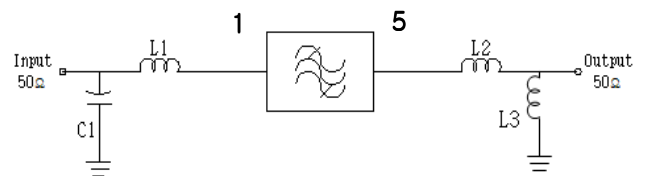


Dimensions shown are nominal in millimeters

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

Termination : Kovar, Au Plated

#### Matching Network Configuration



**L1 = 56nH, L2 = 15nH, L3 = 15nH**

**C1 = 22pF**

Pin Configuration			
Input	<b>1</b>	Ground	2, 4
Output	<b>5</b>	Others	Ground

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

