

### 1. Features

- Typical 1.5dB bandwidth of 24.9 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

### 2. Electrical Specifications

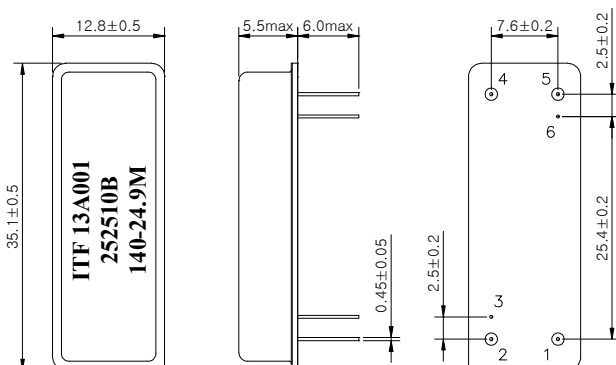
Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	140.0	-
Insertion Loss	dB	-	29.0	30.5
1.5dB Bandwidth	MHz	24.8	24.92	-
3dB Bandwidth	MHz	-	25.04	-
30dB Bandwidth	MHz	-	25.64	-
40dB Bandwidth	MHz	-	25.74	25.85
Amplitude Ripple (fo ± 12.3 MHz)	dB	-	0.6	1.5
Group Delay Variation (fo ± 12.3 MHz)	nsec	-	55	120
Absolute Delay	usec	-	3.5	-
Out of Band-gain				
@Edge ± 400 kHz	dB	30	42	
@Edge ± 600 kHz	dB	40	55	
@Edge ± 1.0 MHz	dB	50	55	
@Edge ± 5.0 MHz	dB	50	60	
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

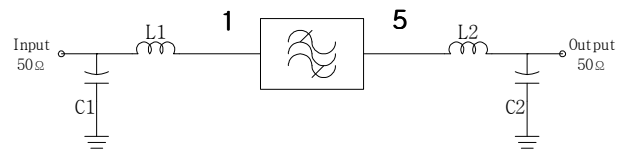
Input POWER : +10dBm

@edge: 25.0MHz

#### D3512 Package Dimension



#### Matching Schematic



**L1 = 39nH, L2 = 33nH, C1 = 24pF, C2 = 24pF**

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

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

