

## 1. Features

- Typical 1dB bandwidth of 18.8 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

## 2. Electrical Specifications

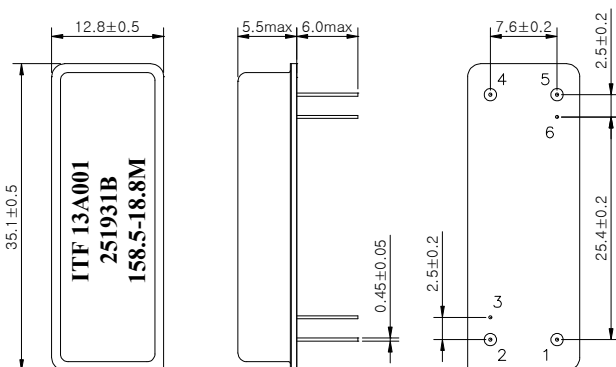
Source and Load Impedance = 50Ω

Operating Temperature : -30 °C ~ +80 °C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	158.5	-
Insertion Loss	dB	-	29.7	31.5
1dB Bandwidth	MHz	18.70	18.82	-
3dB Bandwidth	MHz	-	19.01	-
40dB Bandwidth	MHz	-	19.85	20.0
Amplitude Ripple (fo ± 9.0 MHz)	dB	-	0.65	1.2
Group Delay Variation (fo ± 9.0 MHz)	nsec	-	40	80
Absolute Delay	usec	-	4.28	-
Ultimate Rejection	dB	48	53	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

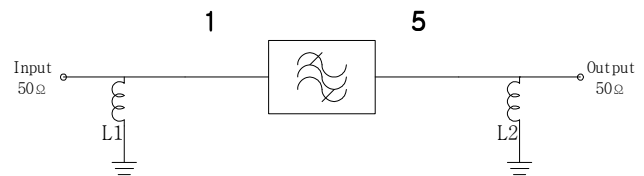
**Input Power : +10dBm**

Room Temperature : +25 °C		Minimum	Typical	Maximum
Insertion Loss	dB	-	29.7	31.5
Amplitude Ripple (fo ± 9.16 MHz)	dB	-	0.65	1.2
Group Delay Variation (fo ± 9.16 MHz)	nsec	-	40	80
Relative Attenuation (Fo±9.0)±1.0MHz	dB	35	45	-

### D3512 Package Dimension



### Matching Schematic



**L1 = 22nH, L2 = 18nH**

### Pin Configuration

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

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

