

## 1. Features

- Typical 1dB bandwidth of 12.0 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

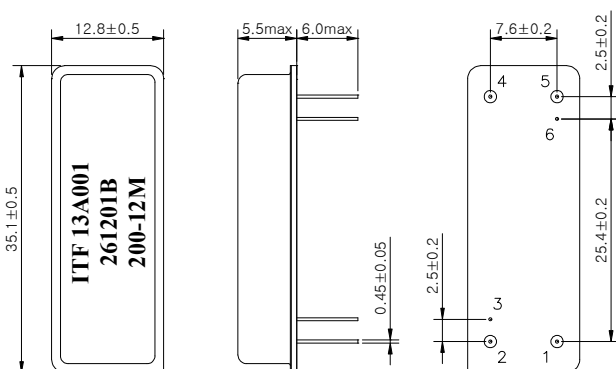
## 2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	200.0	-
Insertion Loss	dB	-	30.5	32.0
1dB Bandwidth	MHz	11.9	12.01	-
3dB Bandwidth	MHz	12.1	12.17	-
40dB Bandwidth	MHz	-	12.83	13.0
Amplitude Ripple (fo ± 5.9 MHz)	dB	-	0.75	1.5
Group Delay Variation (fo ± 5.9 MHz)	nsec	-	90	180
Absolute Delay	usec	-	4.86	-
Ultimate Rejection	dB	48	53	-
Out of Band gain (Fo ± 5.9MHz) ± 400 kHz	dB	-	17.5	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

\* Maximum input Power 10dBm \*

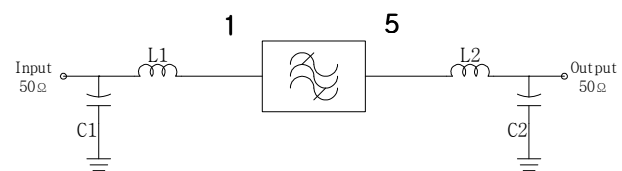
**D3512 Package Dimension**



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 Schematic**



$$L1 = L2 = 15\text{nH}, C1 = C2 = 30\text{pF}$$

**Pin Configuration**

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

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

