

## 1. Features

- Typical 1dB bandwidth of **12.2MHz**
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

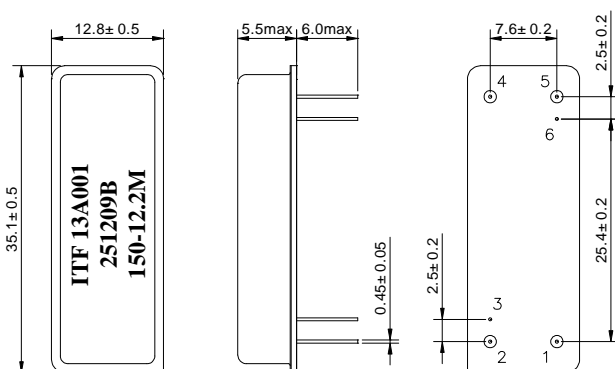
## 2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	150.0	-
Insertion Loss	dB	-	30.0	31.5
1dB Bandwidth	MHz	12.05	12.25	-
3dB Bandwidth	MHz	-	12.42	-
25dB Bandwidth	MHz	-	12.96	13.0
40dB Bandwidth	MHz	-	13.12	-
Amplitude Ripple (fo ± 5.9 MHz)	dB	-	0.55	1.2
Group Delay Variation (fo ± 5.9 MHz)	nsec	-	90	180
Absolute Delay	usec	-	4.71	4.8
Ultimate Rejection	dB	45	53	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Input POWER : 10dBm

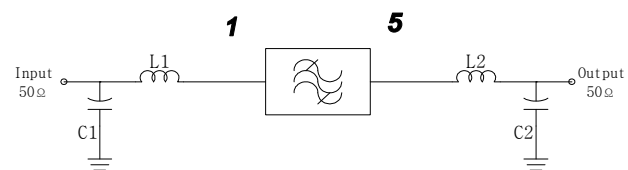
### D3512 Package Dimension



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



$$L1 = L2 = 27\text{nH}, C1 = 62\text{pF}, C2 = 43\text{pF}$$

### Pin Configuration

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

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

