

## 1. Features

- Typical 2dB bandwidth of 12.23 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

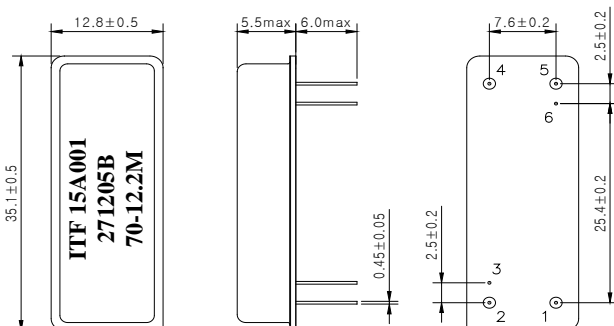
## 2. Electrical Specifications

Source and Load Impedance = 50

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	23.0	24.5
2dB Bandwidth	MHz	12.0	12.23	-
25dB Bandwidth	MHz	-	12.95	13.0
40dB Bandwidth	MHz	-	13.15	13.35
Amplitude Ripple (fo ± 5.875 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 5.875 MHz)	nsec	-	60	120
Absolute Delay	usec	-	3.35	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

\* Input POWER : +10dBm

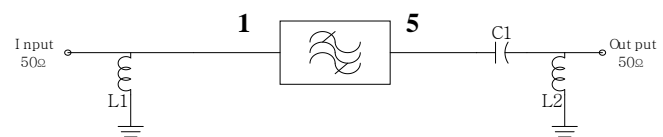
**D3512 Package Dimension**



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 = 150nH, C1 = 180pF, L2 = 100nH**

**Pin Configuration**

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

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

