

## 1. Features

- Typical 1dB bandwidth of 29.8 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

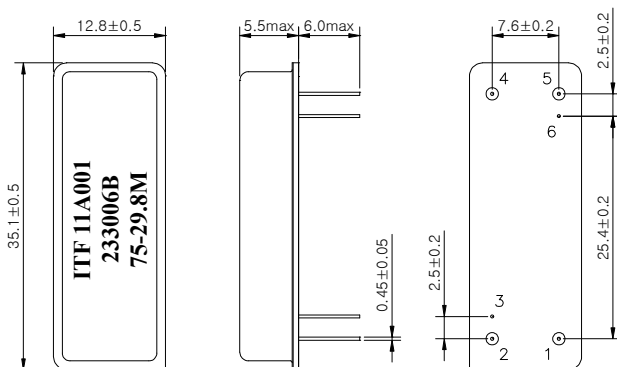
Tested by SGS Testing Korea

## 2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	28.3	30.0
1dB Bandwidth	MHz	29.7	29.85	-
25dB Bandwidth	MHz	-	30.82	30.95
40dB Bandwidth	MHz	-	31.05	-
50dB Bandwidth	MHz	-	31.15	31.35
Amplitude Ripple (fo +/- 14.52 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo +/- 14.52 MHz)	nsec	-	35	60
Absolute Delay	usec	-	2.98	-
Ultimate Rejection	dB	48	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

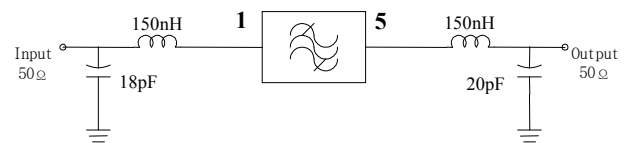
**D3512 Package Dimension**



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**



**Pin Configuration**

	1	Ground	2,4
<b>Input</b>			
<b>Output</b>	5	Others	Ground

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

