

**1. Features**

- Typical 1dB bandwidth of 15.0 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

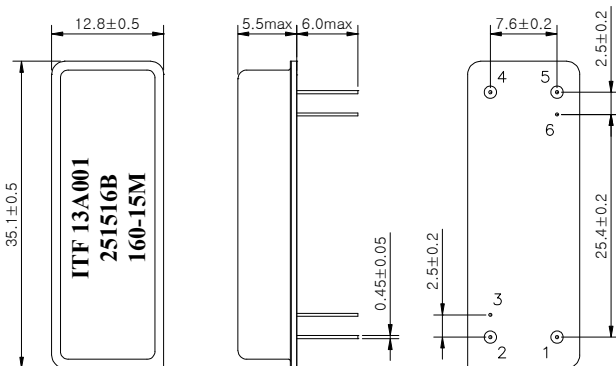
**2. Electrical Specifications**

Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	160.0	-
Insertion Loss	dB	-	30.0	32.0
1dB Bandwidth	MHz	14.9	15.06	-
3dB Bandwidth	MHz	-	15.22	-
40dB Bandwidth	MHz	-	15.84	15.95
Amplitude Ripple (fo ± 7.4 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 7.4 MHz)	nsec	-	55	100
Absolute Delay	usec	-	4.83	-
Ultimate Rejection	dB	45	50	-
Out of Bandgain @Edge ± 400 kHz	dB	-	19.0	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

@Edge : 14.8 MHz

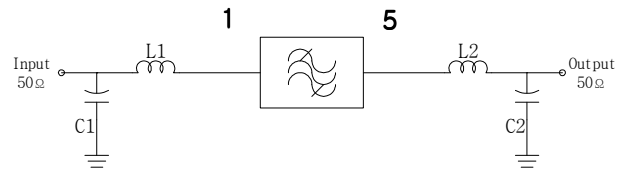
**D3512 Package Dimension**



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 = 33nH , L2 = 33nH, C1 = 36pF, C2 = 39pF**

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

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

