

## 1. Features

- Typical 1dB bandwidth of 5.4 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

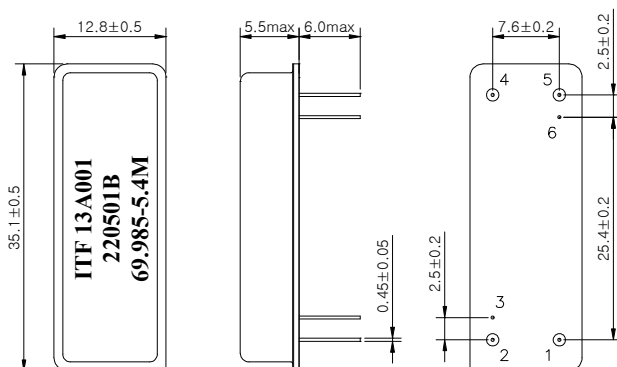
**Operating Temperature : -30 °C ~ 80 °C**

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	69.985	-
Insertion Loss	dB	-	22.0	23.5
1dB Bandwidth	MHz	5.3	5.42	-
3dB Bandwidth	MHz	-	5.57	-
40dB Bandwidth	MHz	-	6.3	6.45
Amplitude Ripple (fo ± 2.46 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 2.46 MHz)	nsec	-	180	350
Absolute Delay	usec	-	2.93	3.0
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

**Room Temperature : +25 °C**

		Minimum	Typical	Maximum
Insertion Loss	dB	-	22.0	23.5
Amplitude Ripple (fo ± 2.53 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 2.53 MHz)	nsec	-	180	350

### D3512 Package Dimension

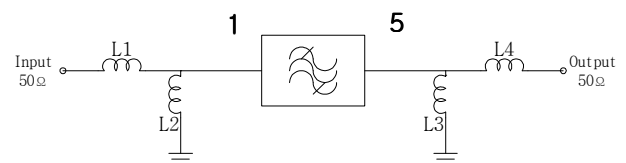


Dimensions shown are nominal in millimeters

Base : Fe(SGCC), Au plating over Ni plated  
Cap : Cu & Cr Alloy, Ni Plated

Termination : Kovar, Au Plated

### Matching Network Configuration



**L1 = 39nH, L2 = 56nH**

**L3 = 68nH, L4 = 39nH**

### Pin Configuration

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

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

