

### 1. Features

- Typical 1dB bandwidth of 9.2 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

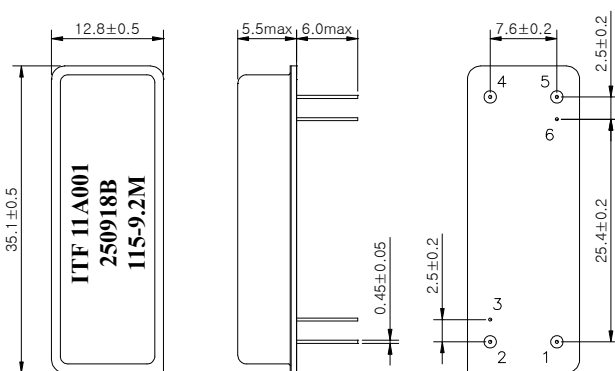
Tested by SGS Testing Korea

### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	115.0	-
Insertion Loss	dB	-	22.0	23.5
1dB Bandwidth	MHz	9.1	9.17	-
3dB Bandwidth	MHz	-	9.4	-
35dB Bandwidth	MHz	-	10.32	10.4
Amplitude Ripple (fo ± 4.4 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 4.4 MHz)	nsec	-	65	150
Absolute Delay	usec	-	2.51	-
Relative attenuation	fo ± 5.2 MHz	dB	25	42
	fo ± 6.0 MHz	dB	48	55
	fo ± 10.0 MHz	dB	48	55
	fo ± 15.0 MHz	dB	50	55
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

**D3512 Package Dimension**



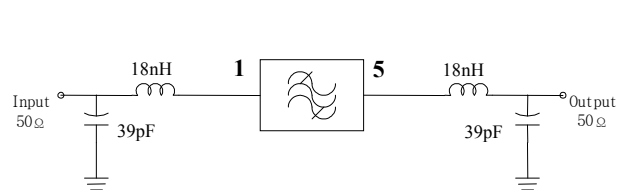
Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated

Cap : Cu & Cr Alloy, Ni Plated

Termination : Kovar, Au Plated

**Matching Schematic**



**Pin Configuration**

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

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

