

### 1. Features

- Typical 1dB bandwidth of 2.8 MHz
- Single Ended Operation
- Dip Package

**RoHS Compliant**

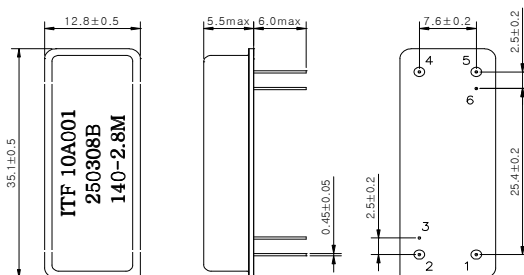
Tested by SGS Testing Korea

### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	140.0	-
Insertion Loss	dB	-	23.5	25.5
1dB Bandwidth	MHz	2.8	2.84	-
3dB Bandwidth	MHz	-	3.0	-
40dB Bandwidth	MHz	-	3.63	3.72
Amplitude Ripple (fo ± 1.25 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 1.25 MHz)	nsec	-	200	350
Absolute Delay	usec	-	3.81	-
Ultimate Rejection(fo±/-6.4MHz)	dB	55	60	-
Relative Attenuation				
fo±/- 1.8MHz	dB	30	35	-
fo±/- 2.0MHz	dB	45	55	-
fo±/- 2.4MHz	dB	50	57	-
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-	-0.03	-

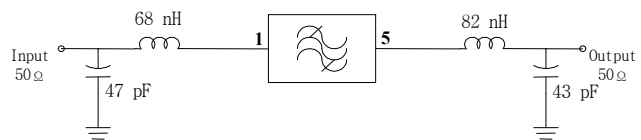
#### D3512 Package Dimension



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

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

