

### 1. Features

- Typical 1dB bandwidth of 8.06 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

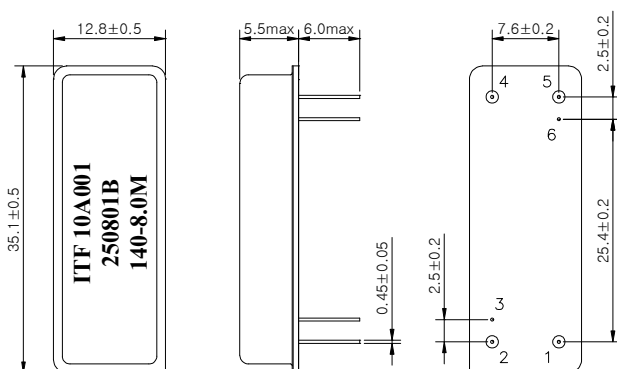
Tested by SGS Testing Korea

### 2. Electrical Specifications

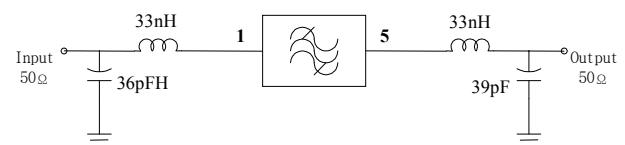
Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	140.0	-
Insertion Loss	dB	-	27.5	29.0
1dB Bandwidth	MHz	8.0	8.06	-
3dB Bandwidth	MHz	-	8.2	-
40dB Bandwidth	MHz	-	8.8	8.9
Amplitude Ripple (fo ± 3.9 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 3.9 MHz)	nsec	-	100	150
Absolute Delay	usec	-	4.88	-
Ultimate Rejection	dB	45	50	-
Relative attenuation				
fo ± 4.4 MHz	dB	-	40	-
fo ± 9.0 MHz	dB	-	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

**D3512 Package Dimension**



**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 )

