

1. Features

- Typical 1dB bandwidth of 0.1 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

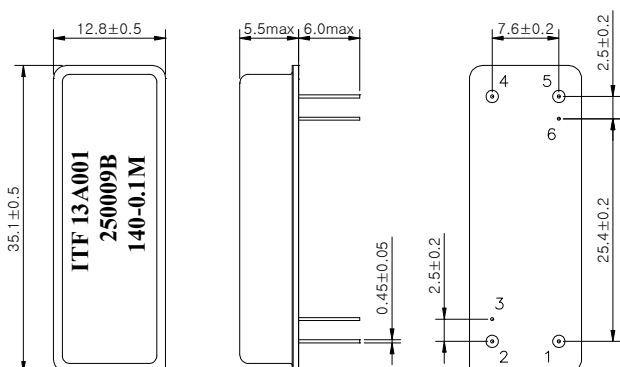
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	140.0	-
Insertion Loss	dB	-	17.5	19.0
1dB Bandwidth	MHz	0.1	0.16	-
3dB Bandwidth	MHz	-	0.22	-
40dB Bandwidth	MHz	-	0.65	-
50dB Bandwidth	MHz	-	0.7	0.8
Amplitude Ripple (fo ± 0.02 MHz)	dB	-	0.2	1.0
Group Delay Variation (fo ± 0.02 MHz)	nsec	-	300	900
Absolute Delay	usec	-	3.8	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

D3512 Package Dimension



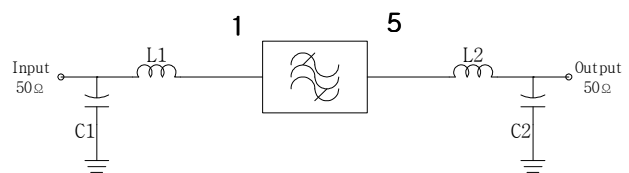
Dimensions shown are nominal in millimeters

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

Cap : Cu & Cr Alloy, Ni Plated

Termination : Kovar, Au Plated

Matching Schematic



L1 = 3.9nH, L2 = 6.8nH, C1 = C2 = 100pF

Pin Configuration

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

3. Typical Performance (at +25°C)

