

1. Features

- Typical 1dB bandwidth of 12.0 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

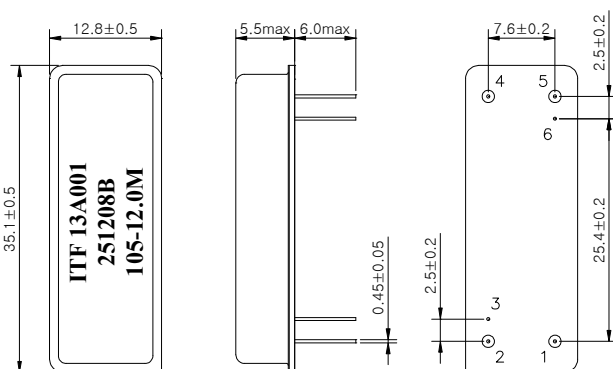
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	105.0	-
Insertion Loss	dB	-	28.4	30.0
1dB Bandwidth	MHz	11.9	12.0	-
3dB Bandwidth	MHz	12.1	12.18	-
40dB Bandwidth	MHz	-	12.84	13.0
Amplitude Ripple (fo ± 5.9 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 5.9 MHz)	nsec	-	60	110
Absolute Delay	usec	-	4.95	-
Ultimate Rejection	dB	43	48	-
Out of Bandgain (Fo ± 5.9MHz) ± 400 kHz	dB	-	16.5	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Input Power : +10dBm

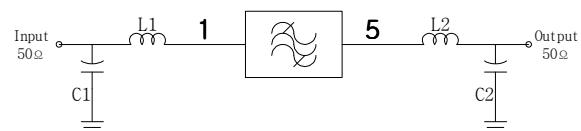
D3512 Package Dimension



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



$$L1 = L2 = 68\text{nH}, C1 = C2 = 68\text{pF}$$

Pin Configuration

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

3. Typical Performance (at +25°C)

