

1. Features

- Typical 1dB bandwidth of 5.4 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

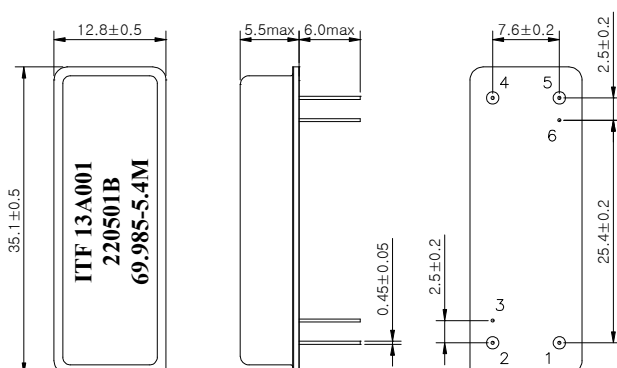
Operating Temperature : -30 °C ~ 80 °C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	69.985	-
Insertion Loss	dB	-	22.0	23.5
1dB Bandwidth	MHz	5.3	5.42	-
3dB Bandwidth	MHz	-	5.57	-
40dB Bandwidth	MHz	-	6.3	6.45
Amplitude Ripple (fo ± 2.46 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 2.46 MHz)	nsec	-	180	350
Absolute Delay	usec	-	2.93	3.0
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25 °C

		Minimum	Typical	Maximum
Insertion Loss	dB	-	22.0	23.5
Amplitude Ripple (fo ± 2.53 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 2.53 MHz)	nsec	-	180	350

D3512 Package Dimension

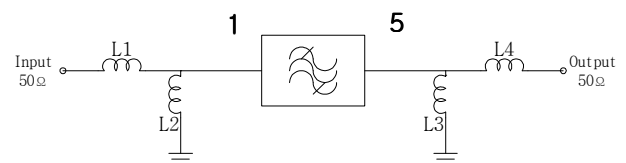


Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated
 Cap : Cu & Cr Alloy, Ni Plated

Termination : Kovar, Au Plated

Matching Network Configuration



L1 = 39nH, L2 = 56nH

L3 = 68nH, L4 = 39nH

Pin Configuration

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

3. Typical Performance (at +25°C)

