

## 1. Features

- Typical 1dB bandwidth of 29.4 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

## 2. Electrical Specifications

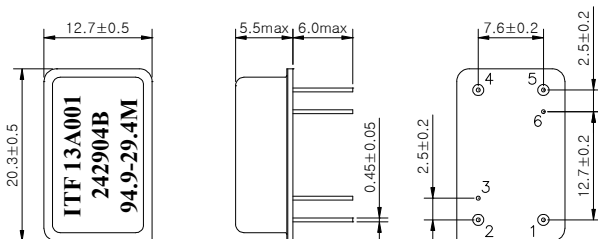
Source and Load Impedance = 50Ω

Operating Temperature : -10°C ~ +60°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	94.9	-
Insertion Loss	dB	-	26.0	28.0
1dB Bandwidth	MHz	29.30	29.46	-
3dB Bandwidth	MHz	-	29.73	-
40dB Bandwidth	MHz	-	30.91	31.10
Amplitude Ripple (fo ± 14.22 MHz)	dB	-	0.50	1.2
Group Delay Variation (fo ± 14.22 MHz)	nsec	-	30	60
Absolute Delay	usec	-	2.31	-
Ultimate Rejection	dB	50	53	-
Out of Band Gain Edge ± 1.16MHz		20	30	-
Maximum input Power	dBm	-	-	10
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

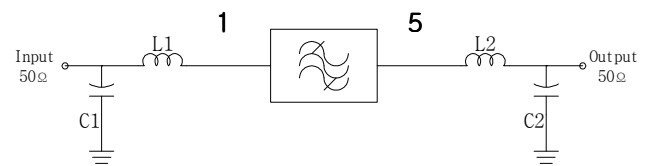
Edge : Fc ± 14.22 MHz

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	26.0	28.0
Amplitude Ripple (fo ± 14.46 MHz)	dB	-	0.50	1.2
Group Delay Variation (fo ± 14.46 MHz)	nsec	-	30	60

### D2012 Package Dimension



### Matching Schematic



L1 = 120nH, L2 = 100nH, C1 = 27pF, C2 = 22pF

Dimensions shown are nominal in millimeters

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

### Pin Configuration

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

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

