

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

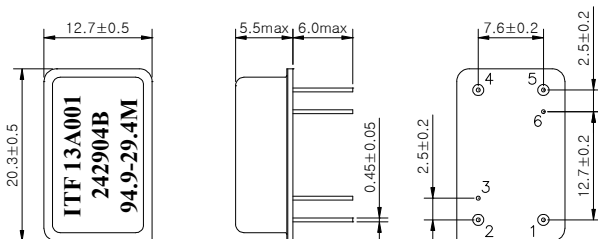
Source and Load Impedance = 50Ω

Operating Temperature : -10℃ ~ +60℃		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/℃	-	-72	-

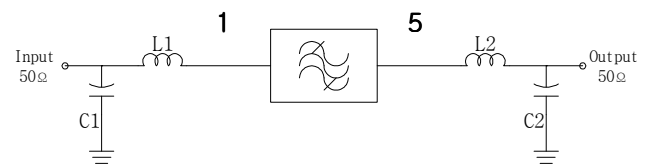
Edge : Fc±14.22MHz

Room Temperature : +25℃		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

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

3. Typical Performance (at +25°C)

