

**1. Features**

- Typical 1.5dB bandwidth of 2.7 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

**RoHS Compliant**

Tested by SGS Testing Korea

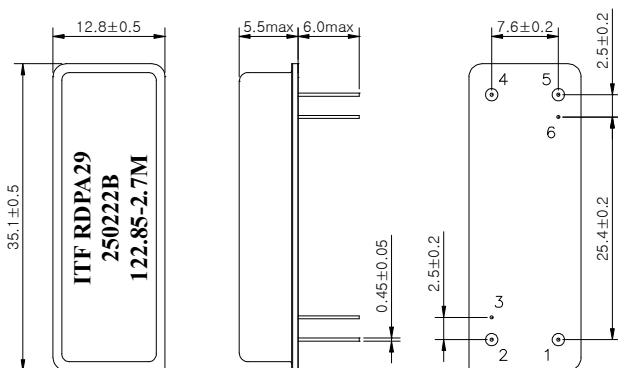
**2. Electrical Specifications**

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	122.75	122.85	122.95
Insertion Loss	dB	-	24.5	26.5
1.5dB Bandwidth	MHz	2.7	2.77	-
3dB Bandwidth	MHz	-	2.87	-
40B Bandwidth	MHz	-	3.57	3.65
45dB Bandwidth	MHz	-	3.65	-
Amplitude Ripple (fo ± 1.1 MHz)	dB	-	0.5	1.2
Group Delay Variation (fo ± 1.1 MHz)	nsec	-	200	400
Absolute Delay	usec	-	3.92	4.0
Relative Attenuation (fo ± 8.15 MHz)	dBc	50	55	
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-	-0.03	-

Input POWER : +10dBm

**D3512 Package Dimension**

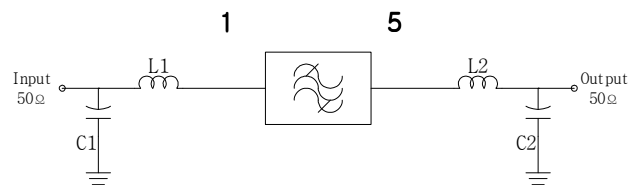


Dimensions shown are nominal in millimeters

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

Termination : Kovar, Au Plated

**Matching Network Configuration**



**L1 = 100nH, L2 = 100nH**

**C1 = 47pF, C2 = 47pF**

Pin Configuration			
Input	<b>1</b>	Ground	<b>2, 4</b>
Output	<b>5</b>	Others	Ground

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

