

1. Features

- Typical 2dB bandwidth of **2.0 MHz**
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

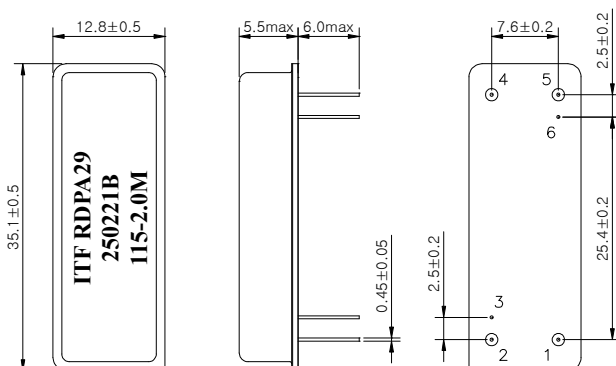
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	114.9	115.0	115.1
Insertion Loss	dB	-	23.0	24.5
2dB Bandwidth	MHz	2.0	2.07	-
3dB Bandwidth	MHz	-	2.14	-
35B Bandwidth	MHz	-	2.76	2.8
40dB Bandwidth	MHz	-	2.81	-
Amplitude Ripple (fo ± 0.9 MHz)	dB	-	0.4	1.2
Group Delay Variation (fo ± 0.9 MHz)	nsec	-	200	400
Absolute Delay	usec	-	3.95	4.0
Relative Attenuation (fo ± 2.0 MHz)	dBc	50	55	
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

Input POWER : +10dBm

D3512 Package Dimension

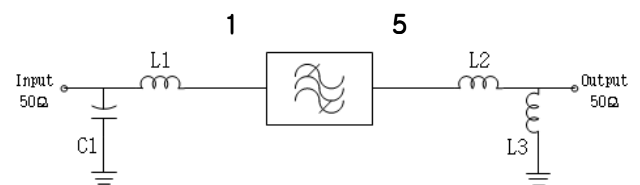


Dimensions shown are nominal in millimeters

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

Termination : Kovar, Au Plated

Matching Network Configuration



L1 = 82nH, L2 = 39nH

L3 = 33nH, C1 = 68pF

Pin Configuration

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

3. Typical Performance (at +25°C)

