

1. Features

- Typical 1dB bandwidth of 1.4 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

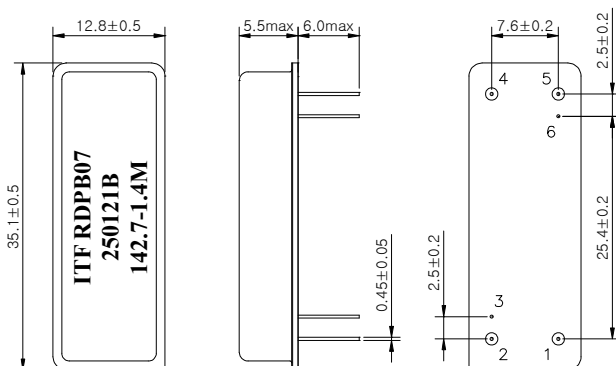
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	142.6	142.7	142.8
Insertion Loss	dB	-	22.0	24.0
1dB Bandwidth	MHz	-	1.39	-
3dB Bandwidth	MHz	1.45	1.58	-
30B Bandwidth	MHz	-	2.28	-
50dB Bandwidth	MHz	-	2.53	2.7
Amplitude Ripple (fo ± 0.625 MHz)	dB	-	0.6	1.5
Group Delay Variation (fo ± 0.625 MHz)	nsec	-	150	300
Absolute Delay	usec	-	3.8	4.0
Relative Attenuation (fo ± 10MHz)	dBc	50	55	
Ultimate Rejection	dB	50	55	
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

Input POWER : +10dBm

D3512 Package Dimension

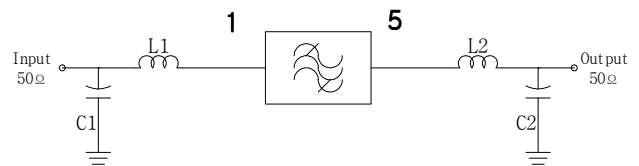


Dimensions shown are nominal in millimeters

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

Termination : Kovar, Au Plated

Matching Network Configuration



L1 = 39nH, L2 = 47nH

C1 = 43pF, C2 = 39pF

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

3. Typical Performance (at +25°C)

