

1. Features

- Typical 3dB bandwidth of 54.0 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

2-1 F₁ Electrical Specification

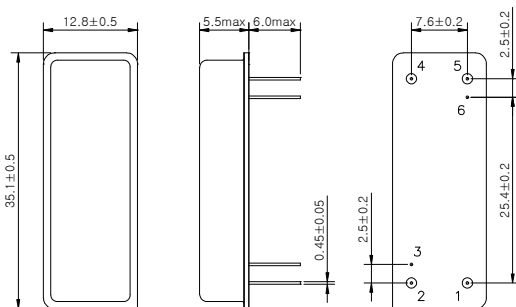
Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	118.15	118.3	118.45
Insertion Loss	dB	-	24.5	26.5
3dB Bandwidth	MHz	4.8	5.1	-
40dB Bandwidth	MHz	-	6.95	7.1
Amplitude Ripple (F ₁ ± 1.9 MHz)	dB	-	0.6	1.2
Group Delay Variation (F ₁ ± 1.9 MHz)	nsec	-	40	80
Absolute Delay (F ₁ ± F ₂)	usec	-	1.84	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

2-2 F₂ Electrical Specification

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	167.45	167.6	167.75
Insertion Loss	dB	-	24.5	26.5
3dB Bandwidth	MHz	5.8	6.1	-
40dB Bandwidth	MHz	-	8.05	8.2
Amplitude Ripple (F ₁ ± 2.4 MHz)	dB	-	0.6	1.2
Group Delay Variation (F ₁ ± 2.4 MHz)	nsec	-	40	80
Absolute Delay (F ₁ ± F ₂)	usec	-	1.84	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Input POWER : +10dBm

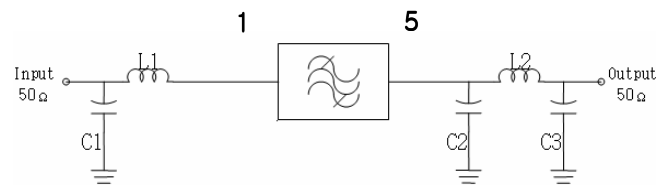
D3512 Package Dimension



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 Schematic



L1 = 1.5nH, L2 = 22nH

C1 = 43pF, C2 = 75pF, C3 = 47pF

Pin Configuration

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

3. Typical Performance (at +25°C)

