

1. Features

- Typical 2dB bandwidth of 12.22 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

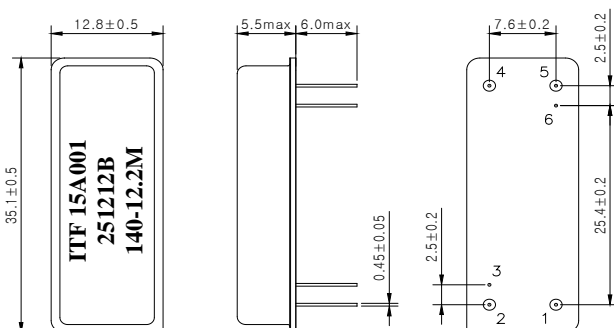
2. Electrical Specifications

Source and Load Impedance = 50

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	139.85	140.0	140.15
Insertion Loss	dB	-	27.7	29.2
2dB Bandwidth	MHz	12.0	12.22	-
25dB Bandwidth	MHz	-	13.0	13.1
40dB Bandwidth	MHz	-	13.2	13.4
Amplitude Ripple (fo ± 5.75 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 5.75 MHz)	nsec	-	55	120
Absolute Delay	usec	-	3.98	4.0
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

* Input POWER : +10dBm

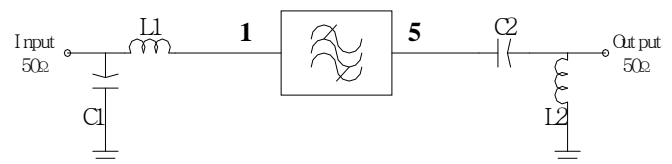
D3512 Package Dimension



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



C1 = 56pF, L1 = 33nH, C2 = 390pF, L2 = 18nH

Pin Configuration

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

3. Typical Performance (at +25°C)

