

1. Features

- Typical 1dB bandwidth of 17.8 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

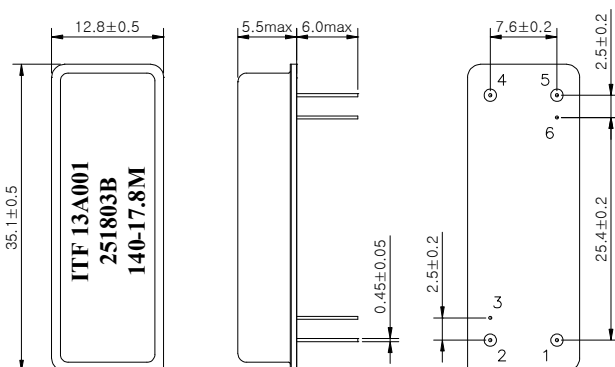
Source and Load Impedance = 50Ω

Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	140.0	-
Insertion Loss	dB	-	30.5	32.0
1dB Bandwidth	MHz	17.65	17.81	-
3dB Bandwidth	MHz	-	18.02	-
40dB Bandwidth	MHz	-	18.85	19.0
Amplitude Ripple (fo ± 8.5 MHz)	dB	-	0.75	1.2
Group Delay Variation (fo ± 8.5 MHz)	nsec	-	40	80
Absolute Delay	usec	-	4.25	-
Ultimate Rejection	dB	48	53	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Input POWER : +10dBm

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	30.5	32.0
Amplitude Ripple (fo ± 8.64 MHz)	dB	-	0.75	1.2
Group Delay Variation (fo ± 8.64 MHz)	nsec	-	40	80
Relative Attenuation (Fo±8.5) ±1.0MHz	dBc	35	45	

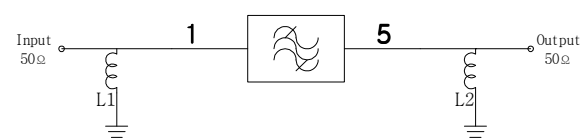
D3512 Package Dimension



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 = 27nH, L2 = 22nH

Pin Configuration

Input	1	Ground	2,4
Output	5	Others	Ground

3. Typical Performance (at +25°C)

