

1. Features

- Typical 1dB bandwidth of 29.7 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

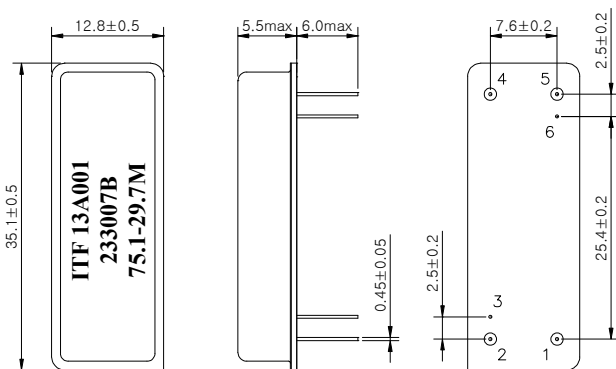
Source and Load Impedance = 50Ω

Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.1	-
Insertion Loss	dB	-	27.0	28.5
1dB Bandwidth	MHz	29.5	29.75	-
3dB Bandwidth	MHz	-	30.1	-
40dB Bandwidth	MHz	-	31.55	31.8
Amplitude Ripple (fo ± 14.22 MHz)	dB	-	0.6	1.5
Group Delay Variation (fo ± 14.22 MHz)	nsec	-	30	70
Absolute Delay	usec	-	1.95	-
Ultimate Rejection	dB	48	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	27.0	28.5
Amplitude Ripple (fo ± 14.52 MHz)	dB	-	0.6	1.5
Group Delay Variation (fo ± 14.52 MHz)	nsec	-	30	70
Out of Band gain @BW Edge ± 1.56 MHz	dB	25	33	-

1. @BW Edge : 28.44MHz 2. Input POWER : +10dBm

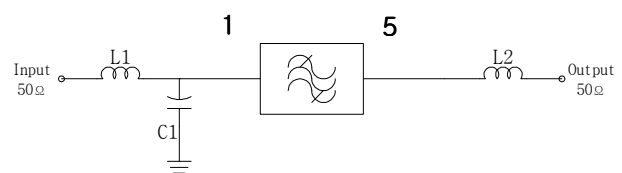
D3512 Package Dimension



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 = 150nH, L2 = 150nH, C1 = 4pF

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

3. Typical Performance (at +25°C)

