

1. Features

- Typical 1dB bandwidth of 15.4 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

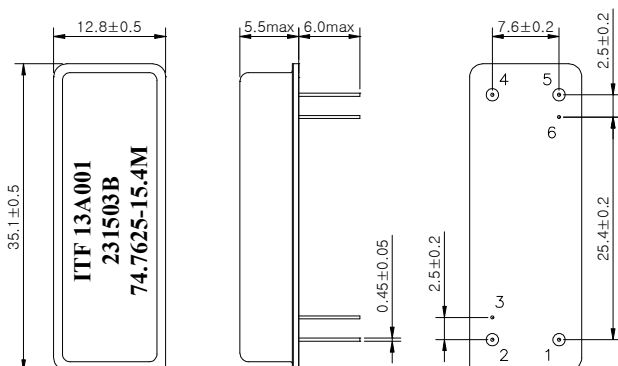
Source and Load Impedance = 50Ω

Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	74.7625	-
Insertion Loss	dB	-	23.5	25.0
1dB Bandwidth	MHz	15.25	15.4	-
3dB Bandwidth	MHz	-	15.6	-
25dB Bandwidth	MHz	-	16.34	16.45
40dB Bandwidth	MHz	-	16.54	-
Amplitude Ripple (fo ± 7.2375 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 7.2375 MHz)	nsec	-	60	120
Absolute Delay	usec	-	2.9	-
Ultimate Rejection	dB	48	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

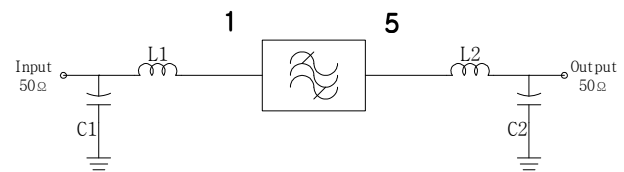
Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	23.5	25.0
Amplitude Ripple (fo ± 7.54 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 7.54 MHz)	nsec	-	60	120
Out of Band gain @BW Edge ± 1.0 MHz	dB	25	33	-

1. @BW Edge : 14.475MHz 2. Input POWER : +10dBm

D3512 Package Dimension



Matching Schematic



L1 = 100nH, L2 = 120nH, C1 = 30pF, C2 = 33pF

Pin Configuration

	1	Ground	2,4
Input			
Output	5	Others	Ground

3. Typical Performance (at +25°C)

