

1. Features

- Typical 1dB bandwidth of 32.8 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

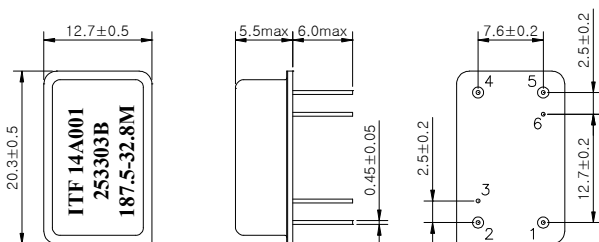
Operating Temperature : -10℃ ~ +80℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	187.45	187.5	187.68
Insertion Loss	dB	-	33.5	35.0
1dB Bandwidth	MHz	32.5	32.8	-
3dB Bandwidth	MHz	-	33.7	-
40dB Bandwidth	MHz	-	34.25	34.6
Amplitude Ripple (fo ± 16.0 MHz)	dB	-	0.5	1.2
Group Delay Variation (fo ± 16.0 MHz)	nsec	-	25	60
Absolute Delay	usec	-	2.89	-
Relative Attenuation				
Edge-1MHz	dBc	10	25	-
Edge±2MHz	dBc	40	50	-
Ultimate Rejection	dB	45	53	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-

Source and Load Impedance = 50Ω

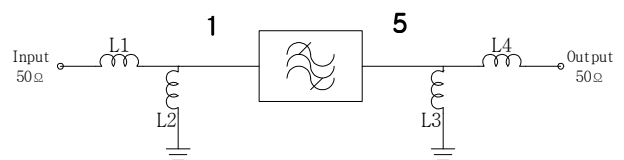
Room Temperature : +25℃		Minimum	Typical	Maximum
Insertion Loss	dB	-	33.5	35.0
Amplitude Ripple (fo ± 16.18 MHz)	dB	-	0.5	1.2
Group Delay Variation (fo ± 16.18 MHz)	nsec	-	25	60
Relative Attenuation				
Edge-1MHz	dBc	22	25	-
Edge±2MHz	dBc	40	50	-

* Input POWER : +10dBm * Edge : 32MHz

D2012 Package Dimension



Matching Schematic



L1 = 27nH, L2 = 33nH, L3 = 27nH, L4 = 33nH

Pin Configuration

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

Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated
Cap : Cu & Cr Alloy, Ni Plated
Termination : Kovar, Au Plated

3. Typical Performance (at +25°C)

