

1. Features

- Typical 1dB bandwidth of 30.0 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

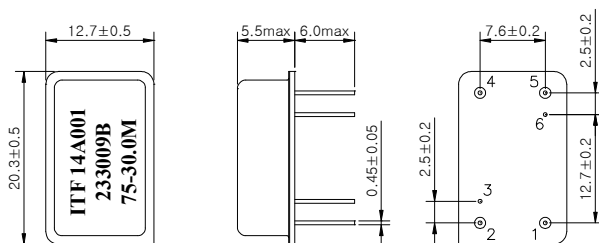
Source and Load Impedance = 50Ω

Operating Temperature : -20℃ ~ +75℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	75.0	75.0	75.07
Insertion Loss	dB	-	26.5	27.5
1dB Bandwidth	MHz	29.85	30.0	-
3dB Bandwidth	MHz	-	30.27	-
40dB Bandwidth	MHz	-	31.46	31.6
Amplitude Ripple (fo ± 14.5MHz)	dB	-	0.65	1.0
Group Delay Variation (fo ± 14.5MHz)	nsec	-	30	60
Absolute Delay	usec	-	2.29	2.3
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/℃	-	-72	-

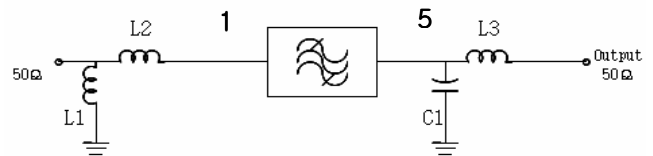
Room Temperature : +25℃		Minimum	Typical	Maximum
Insertion Loss	dB	-	26.5	27.5
Amplitude Ripple (fo ± 14.75MHz)	dB	-	0.65	1.0
Group Delay Variation (fo ± 14.75MHz)	nsec	-	30	60

Input POWER : +10dBm

D2012 Package Dimension



Matching Schematic



L1 = 120nH, L2 = 100nH, L3 = 100nH, C1 = 3.6pF

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)

