

1. Features

- Typical 1dB bandwidth of 18.7 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

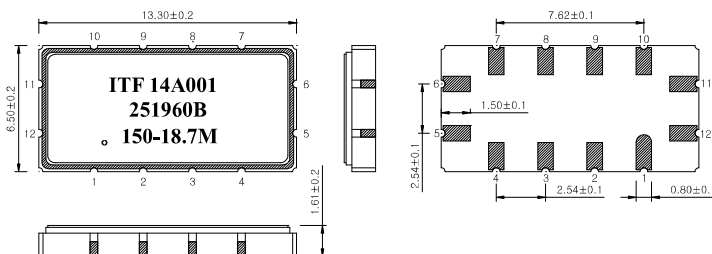
2. Electrical Specifications

Source and Load Impedance = 50Ω

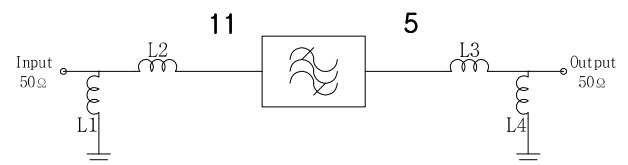
Operating Temperature : -10°C ~ +60°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	150	-
Insertion Loss	dB	-	26.5	28.0
1dB Bandwidth	MHz	18.55	18.7	-
3dB Bandwidth	MHz	-	19.2	-
40dB Bandwidth	MHz	-	21.1	21.3
Amplitude Ripple (fo ± 9.0 MHz)	dB	-	0.55	1.2
Group Delay Variation (fo ± 9.0 MHz)	nsec	-	40	80
Absolute Delay	usec	-	2.23	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-
Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	26.5	28.0
Amplitude Ripple (fo ± 9.09 MHz)	dB	-	0.55	1.2
Group Delay Variation (fo ± 9.09 MHz)	nsec	-	40	80
Relative Attenuation				
(Fo ± 9MHz) ± 1MHz	dB	-	9	-
(Fo ± 9MHz) ± 1.5MHz	dB	-	30	-

Input POWER : +10dBm

S1365 Package Dimension



Matching Network Configuration



L1 = L2 = 22nH, L3 = 27nH, L4 = 33nH

Pin Configuration

Pin Configuration			
Input	11	Ground	12, 6
Output	5	Others	Ground

3. Typical Performance (at +25°C)

