

1. Features

- Typical 1dB bandwidth of 18.8 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

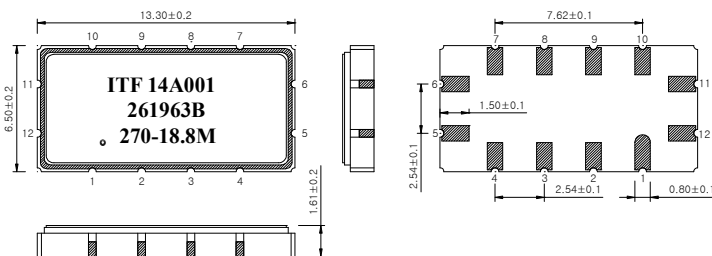
Source and Load Impedance = 50Ω

Operating Temperature : -10℃ ~ +60℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	270	-
Insertion Loss	dB	-	24.5	26.0
1dB Bandwidth	MHz	18.7	18.82	-
3dB Bandwidth	MHz	-	19.33	-
40dB Bandwidth	MHz	-	21.25	21.4
Amplitude Ripple (fo ± 9.0 MHz)	dB	-	0.55	1.2
Group Delay Variation (fo ± 9.0 MHz)	nsec	-	40	80
Absolute Delay	usec	-	2.17	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-

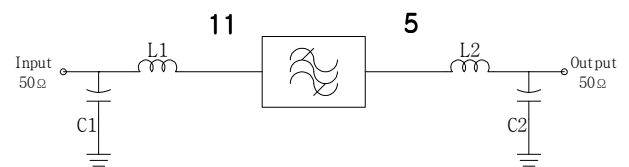
Room Temperature : +25℃		Minimum	Typical	Maximum
Insertion Loss	dB	-	24.5	26.0
Amplitude Ripple (fo ± 9.17 MHz)	dB	-	0.55	1.2
Group Delay Variation (fo ± 9.17 MHz)	nsec	-	40	80
Relative Attenuation				
(Fo ± 9MHz) ± 1MHz	dB	-	6	-
(Fo ± 9MHz) ± 1.5MHz	dB	-	25	-

Input POWER : +10dBm

S1365 Package Dimension



Matching Network Configuration



L1 = 12nH, L2 = 10nH, C1 = 36pF, C2 = 33pF

Pin Configuration

Input	11	Ground	12, 6
Output	5	Others	Ground

3. Typical Performance (at +25°C)

