

### 1. Features

- Typical 1dB bandwidth of 62.9 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

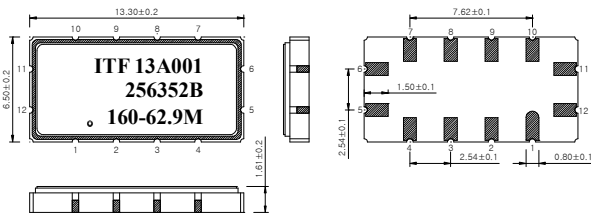
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

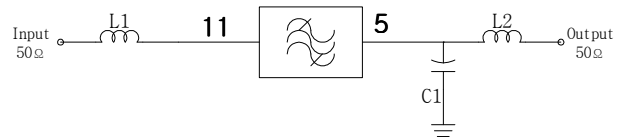
Operating Temperature : -10°C ~ +60°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	160.0	-
Insertion Loss	dB	-	30.0	31.5
1dB Bandwidth	MHz	62.5	62.9	-
3dB Bandwidth	MHz	-	63.96	-
40dB Bandwidth	MHz	-	68.72	70.0
Amplitude Ripple (fo ± 30.0 MHz)	dB	-	0.45	1.2
Group Delay Variation (fo ± 30.0 MHz)	nsec	-	10	30
Absolute Delay	usec	-	1.02	-
Ultimate Rejection	dB	42	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	30.0	31.5
Amplitude Ripple (fo ± 30.42 MHz)	dB	-	0.45	1.2
Group Delay Variation (fo ± 30.42 MHz)	nsec	-	10	30

#### S1365 Package Dimension



#### Matching Schematic



**L1 = L2 = 56nH, C1 = 2.5pF**

Dimensions shown are nominal in millimeters

Body : Al<sub>2</sub>O<sub>3</sub>  
 Lid : Kovar, Ni Plated  
 Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

#### Pin Configuration

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

**3. Typical Performance ( at +25°C )**

