

### 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

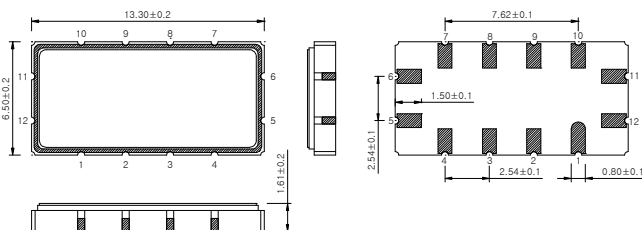
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	450.0	-
Insertion Loss	dB	-	28.0	30.0
1dB Bandwidth	MHz	18.6	18.8	-
3dB Bandwidth	MHz	-	19.2	-
40dB Bandwidth	MHz	-	21.4	21.65
Amplitude Ripple (fo ± 9.0MHz)	dB	-	0.65	1.5
Group Delay Variation (fo ± 9.0MHz)	nsec	-	50	100
Absolute Delay	usec	-	1.23	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-	-0.03	-
Relative Attenuation (fo ± 9.0 MHz) ± 2.0MHz	dBc	40	50	-

Input POWER : +10dBm

#### S1365 Package Dimension



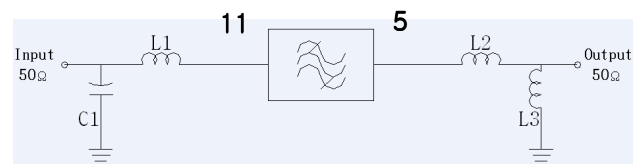
Dimensions shown are nominal in millimeters

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

#### Matching Network Configuration



**L1 = 15nH, L2 = 8.2nH, L3 = 5.6nH**

**C1 = 15pF**

#### Pin Configuration

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

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

