

### 1. Features

- Typical 1dB bandwidth of 18.5 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

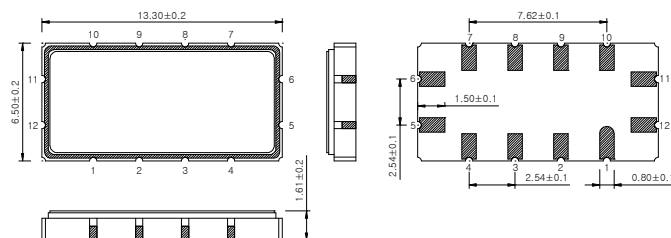
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

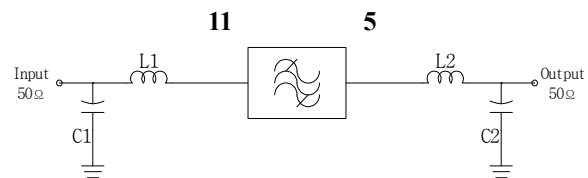
Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	245.0	-
Insertion Loss	dB	-	27.0	29.0
1dB Bandwidth	MHz	18.4	18.52	-
3dB Bandwidth	MHz	-	18.95	-
40dB Bandwidth	MHz	-	20.86	21.0
Amplitude Ripple (Fo±9.0MHz)	dB	-	0.6	1.2
Group Delay Variation (Fo±9.0MHz)	nsec	-	25	60
Absolute Delay	usec	-	2.09	-
Ultimate Rejection	dB	45	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Input POWER : +10dBm

**S1365 Package Dimension**



**Matching Schematic**



**L1 = 22nH, L2 = 22nH, C1 = 15pF, C2 = 13pF**

**Pin Configuration**

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

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

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

