

## 1. Features

- Typical 1dB bandwidth of 19.27 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package
- RoHS/RoHS2 (2015/863/EU) Compliant

**RoHS Compliant**

Tested by SGS Testing Korea

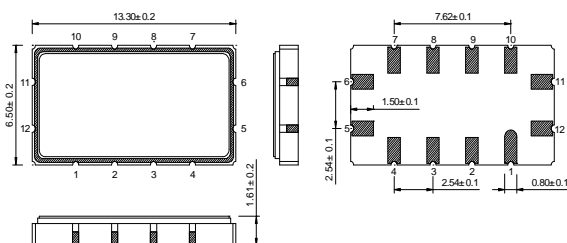
## 2. Electrical Specifications

Source and Load Impedance = 50Ω

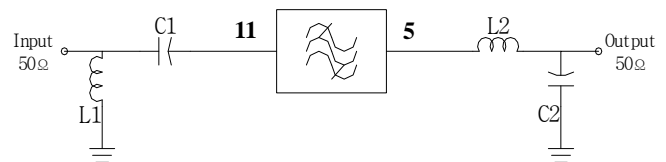
Room Temperature : +25 °C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	162.5	-
Insertion Loss	dB	-	11.5	13.5
1dB Bandwidth	MHz	18.5	19.27	-
3dB Bandwidth	MHz	-	20.19	-
40dB Bandwidth	MHz	-	23.7	24.5
Amplitude Ripple (fo ± 9.0 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 9.0 MHz)	nsec	-	55	100
Absolute Delay	usec	-	0.87	-
Relative Attenuation				
0.1 MHz ~ 120.0 MHz	dBc	50	55	-
120.0 MHz ~ 150.0 MHz	dBc	45	50	-
175.0 MHz ~ 185.0 MHz	dBc	41	45	-
185.0 MHz ~ 600.0 MHz	dBc	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Due to variances in a PCB layout and parasitics, actual matching values may have to be changed accordingly.

### S1365 Package Dimension



### Matching Schematic



**L1 = L2 = 18nH, C1 = 62pF, C2 = 68pF**

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

	11	Others	Ground
Input			
Output	5		

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

