

## 1. Features

- Typical 1dB bandwidth of 18.6 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

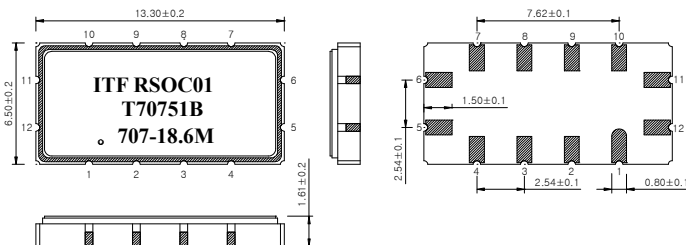
Tested by SGS Testing Korea

## 2. Electrical Specifications

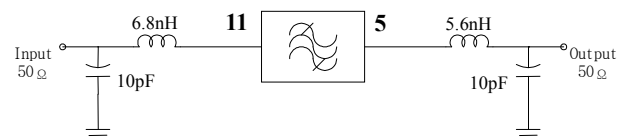
Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	707.0	-
Insertion Loss	dB	-	25.5	27.5
1dB Bandwidth	MHz	18.3	18.6	-
3dB Bandwidth	MHz	-	19.15	-
35dB Bandwidth	MHz	-	21.55	-
Amplitude Ripple (fo ± 9.0 MHz)	dB	-	0.8	1.5
Group Delay Variation (fo ± 9.0 MHz)	nsec	-	50	100
Absolute Delay	usec	-	1.16	-
Out of band gain	Edge ± 2.0MHz	dB	35	45
Temperature Coefficient of Frequency		ppm/°C <sup>2</sup>	-0.03	

### S1365 Package Dimension



### Matching Network Configuration



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 )**

