

## 1. Features

- Typical 1dB bandwidth of 18.3 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

## 2. Electrical Specifications

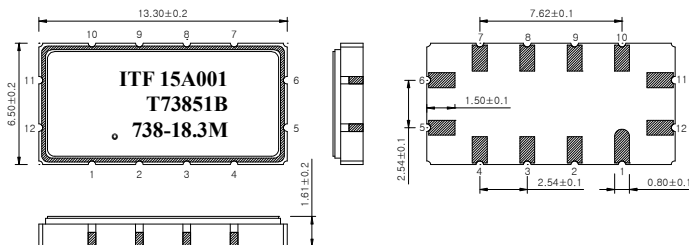
Source and Load Impedance = 50Ω

Operating Temperature : 0°C~70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	738.0	-
Insertion Loss	dB	-	27.0	29.0
1dB Bandwidth	MHz	18.1	18.39	-
3dB Bandwidth	MHz	-	18.8	-
18dB Bandwidth	MHz	-	20.06	20.4
33dB Bandwidth	MHz	-	20.87	22.0
Amplitude Ripple (fo ± 9.0 MHz)	dB	-	0.8	3.0
Group Delay Variation (fo ± 9.0 MHz)	nsec	-	95	200
Absolute Delay	usec	-	1.34	-
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-0.03		

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	27.0	29.0
Amplitude Ripple (fo ± 9.0 MHz)	dB	-	0.8	2.0
Relative Attenuation (fo ± 10.2 MHz)	dB	18	28	-

### S1365 Package Dimension



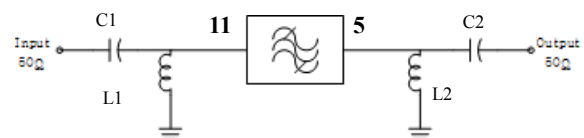
Dimensions shown are nominal in millimeters

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



$$L1 = L2 = 4.7\text{nH}, C1 = C2 = 15\text{pF}$$

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

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

