

### 1. Features

- Typical 1dB bandwidth of 15.6 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

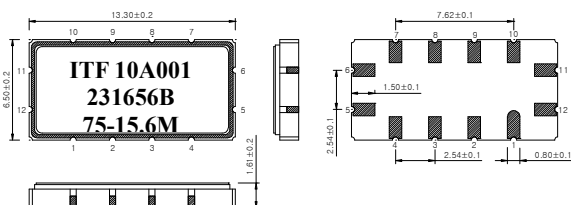
Tested by SGS Testing Korea

### 2. Electrical Specifications

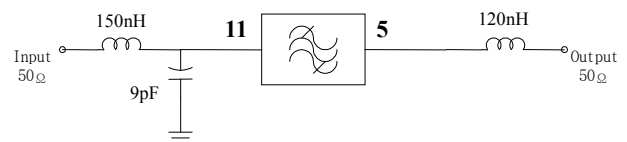
Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	22.2	24.0
1dB Bandwidth	MHz	15.45	15.6	-
3dB Bandwidth	MHz	-	16.05	-
40dB Bandwidth	MHz	-	18.0	18.1
Amplitude Ripple (fo ± 7.47 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 7.47 MHz)	nsec	-	30	80
Absolute Delay	usec	-	1.64	-
Ultimate Rejection	dB	45	48	-
Relative attenuation @Edge ± 1.6 MHz	dB	40	47	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

**S1365 Package Dimension**



**Matching Schematic**



**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 )

