

## 1. Features

- Typical 1dB bandwidth of 31.4 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

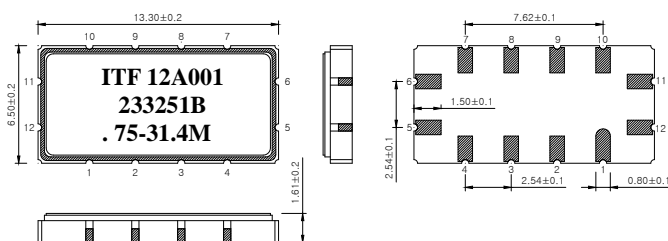
## 2. Electrical Specifications

Source and Load Impedance = 50

Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	17.5	20.0
1dB Bandwidth	MHz	31.0	31.4	-
3dB Bandwidth	MHz	-	32.65	-
40dB Bandwidth	MHz	-	38.3	38.8
Amplitude Ripple (fo ± 14.22 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 14.22 MHz)	nsec	-	15	50
Absolute Delay	usec	-	0.78	0.8
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	17.5	19.5
Amplitude Ripple (fo ± 14.58 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 14.58 MHz)	nsec	-	15	50

### S1365 Package Dimension



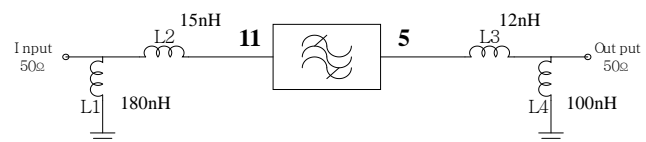
Dimensions shown are nominal in millimeters

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 Schematic



### Pin Configuration

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

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

