

## 1. Features

- Typical 1dB bandwidth of 10.42 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

## 2. Electrical Specifications

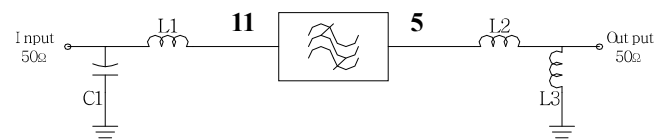
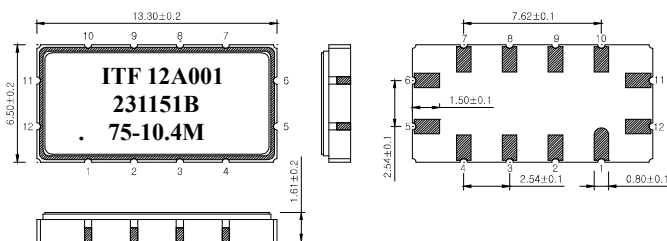
Source and Load Impedance = 50Ω

Operating Temperature : -20°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	10.0	12.5
1dB Bandwidth	MHz	9.9	10.42	-
3dB Bandwidth	MHz	-	11.1	-
40dB Bandwidth	MHz	-	13.8	14.3
Amplitude Ripple (fo ± 4.375 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 4.375 MHz)	nsec	-	45	90
Absolute Delay	usec	-	1.06	1.1
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	10.0	12.0
Amplitude Ripple (fo ± 4.675 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 4.675 MHz)	nsec	-	45	90

### S1365 Package Dimension

### Matching Schematic



C1 = 82pF, L1 = 120nH, L2 = 10nH, L3 = 39nH

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

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

