

## 1. Features

- Typical 1dB bandwidth of 32.25 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

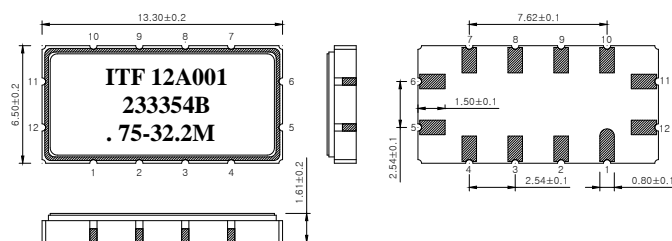
## 2. Electrical Specifications

Source and Load Impedance = 50

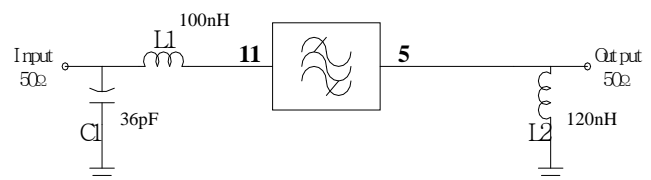
Operating Temperature : -30°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	18.1	20.5
1dB Bandwidth	MHz	31.8	32.25	-
3dB Bandwidth	MHz	-	33.27	-
40dB Bandwidth	MHz	-	37.5	38.0
Amplitude Ripple (fo ± 15.0 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 15.0 MHz)	nsec	-	20	50
Absolute Delay	usec	-	1.17	-
Ultimate Rejection	dB	40	47	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	18.1	20.0
Amplitude Ripple (fo ± 15.33 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 15.33 MHz)	nsec	-	20	50

### S1365 Package Dimension



### Matching Schematic



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 )

