

## 1. Features

- Typical 1dB bandwidth of 3.65 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package

**RoHS Compliant**

Tested by SGS Testing Korea

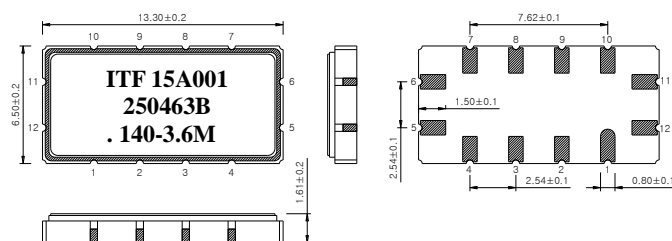
## 2. Electrical Specifications

Source and Load Impedance = 50Ω

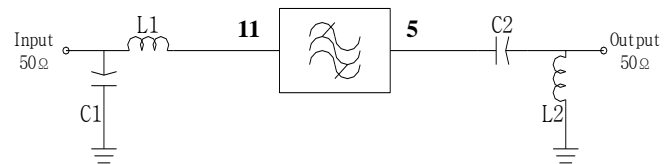
Operating Temperature : -40°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	140.0	-
Insertion Loss	dB	-	10.0	12.5
1dB Bandwidth	MHz	3.0	3.65	-
3dB Bandwidth	MHz	-	4.33	-
40dB Bandwidth	MHz	-	6.65	7.1
Amplitude Ripple (fo ± 1.0 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 1.0 MHz)	nsec	-	55	100
Absolute Delay	usec	-	1.02	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	10.0	12.0
Amplitude Ripple (fo ± 1.16 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 1.16 MHz)	nsec	-	45	100

### S1365 Package Dimension



### Matching Schematic



C1 = 36pF, L1 = 33nH, C2 = 240pF, L2 = 22nH

### Pin Configuration

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 )**

