

### 1. Features

- Typical 1dB bandwidth of 8.8 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

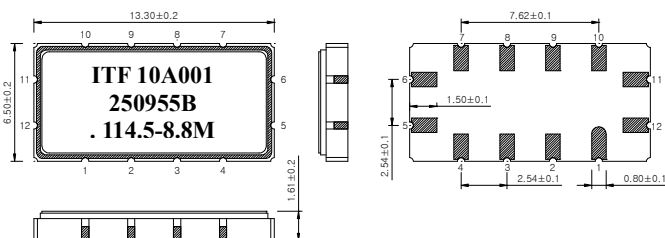
Operating Temperature : 0°C ~ +70°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	114.5	-
Insertion Loss	dB	-	15.8	18.5
1dB Bandwidth	MHz	8.3	8.8	-
3dB Bandwidth	MHz	-	9.95	-
20dB Bandwidth	MHz	-	13.0	13.2
40dB Bandwidth	MHz	-	14.5	15.0
Amplitude Ripple (fo ± 3.5 MHz)	dB	-	0.3	0.9
Group Delay Variation (fo ± 3.5 MHz)	nsec	-	25	60
Absolute Delay	usec	-	0.89	1.0
Ultimate Rejection	dB	40	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

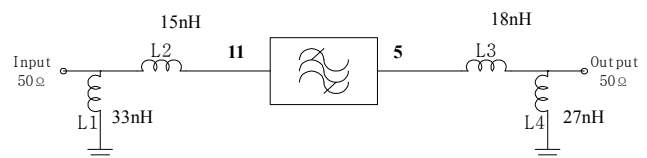
Room Temperature : +25°C

		Minimum	Typical	Maximum
Insertion Loss	dB	-	15.8	18.0
Amplitude Ripple (fo ± 3.6 MHz)	dB	-	0.3	0.9
Group Delay Variation (fo ± 3.6 MHz)	nsec	-	25	60

#### 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°C )

