

## 1. Features

- Typical 1dB bandwidth of 57.5 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

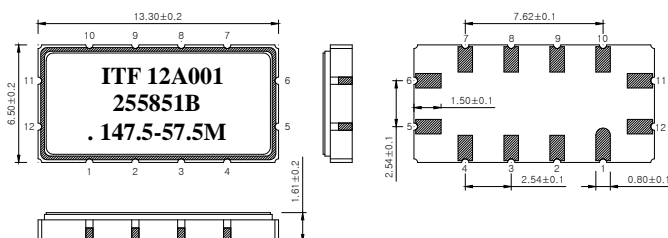
Tested by SGS Testing Korea

## 2. Electrical Specifications

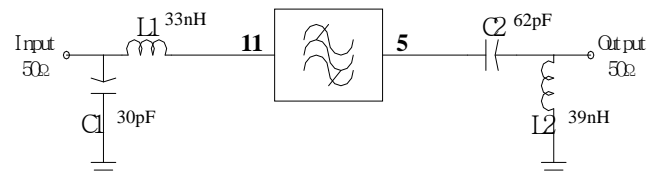
Source and Load Impedance = 50

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	147.5	-
Insertion Loss	dB	-	19.5	21.5
1dB Bandwidth	MHz	57.0	57.5	-
3dB Bandwidth	MHz	-	58.7	-
20dB Bandwidth	MHz	-	63.0	63.3
40dB Bandwidth	MHz	-	65.8	66.5
Amplitude Ripple (fo ± 27.5 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 27.5 MHz)	nsec	-	25	60
Absolute Delay	usec	-	0.85	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

**S1365 Package Dimension**



**Matching Schematic**



**Pin Configuration**

	11	Ground	6, 12
<b>Input</b>			
<b>Output</b>	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 )

