

## 1. Features

- Typical 1dB bandwidth of 26.8 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

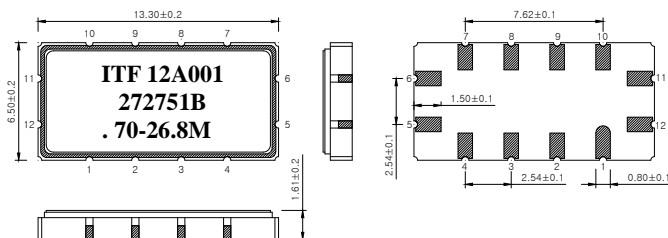
## 2. Electrical Specifications

Source and Load Impedance = 50

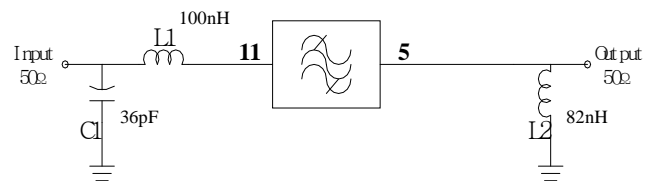
Operating Temperature : -10°C ~ +50°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	17.5	20.0
1dB Bandwidth	MHz	26.2	26.8	-
3dB Bandwidth	MHz	-	27.6	-
40dB Bandwidth	MHz	-	31.0	31.5
Amplitude Ripple (fo ± 12.5 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 12.5 MHz)	nsec	-	25	60
Absolute Delay	usec	-	1.3	-
Ultimate Rejection	dB	40	47	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	17.5	19.5
Amplitude Ripple (fo ± 12.69 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 12.69 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 )

