

## 1. Features

- Typical 1dB bandwidth of 6.65 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

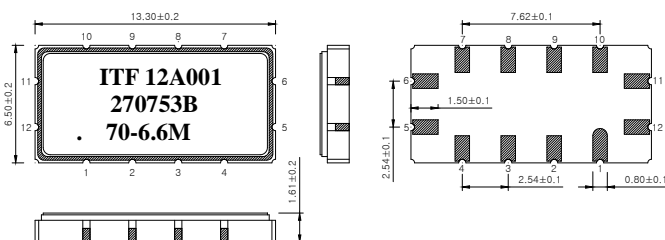
## 2. Electrical Specifications

Source and Load Impedance = 50

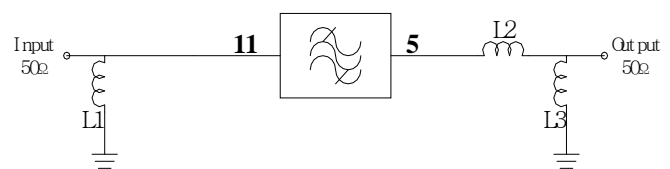
Operating Temperature : -40°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	9.0	11.5
1dB Bandwidth	MHz	6.2	6.65	-
3dB Bandwidth	MHz	-	7.25	-
40dB Bandwidth	MHz	-	9.7	10.3
Amplitude Ripple (fo ± 2.5 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 2.5 MHz)	nsec	-	40	80
Absolute Delay	usec	-	1.29	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	9.0	11.0
Amplitude Ripple (fo ± 2.88 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 2.88 MHz)	nsec	-	40	80
Relative Attenuation				
Fo ± 5.4 MHz	dB	40	45	-

### S1365 Package Dimension



### Matching Schematic



**L1 = 82nH, L2 = 18nH, L3 = 100nH**

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

	11	Ground	6, 12
Input			
Output	5	Others	Ground

### 3. Typical Performance ( at +25 )

