

### 1. Features

- Typical 1dB bandwidth of 7.0 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

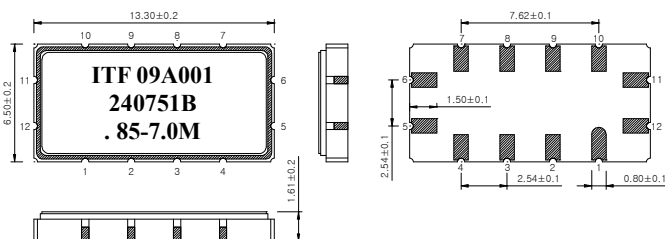
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : -40°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	85.0	-
Insertion Loss	dB	-	7.5	10.5
1dB Bandwidth	MHz	6.6	7.0	-
3dB Bandwidth	MHz	-	7.76	-
40dB Bandwidth	MHz	-	10.6	11.1
Amplitude Ripple (fo ± 2.5 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 2.5 MHz)	nsec	-	55	90
Absolute Delay	usec	-	1.07	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Operating Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	7.5	10.0
Amplitude Ripple (fo ± 3.0 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 3.0 MHz)	nsec	-	55	90
Relative Attenuation				
0.2 MHz ~ 60.0 MHz	dB	50	55	-
100.0 MHz ~ 155.0 MHz	dB	50	55	-
155.0 MHz ~ 195.0 MHz	dB	30	39	-
195.0 MHz ~ 239.5 MHz	dB	50	55	-
239.5 MHz ~ 275.0 MHz	dB	45	48	-
275.0 MHz ~ 500.0 MHz	dB	50	55	-

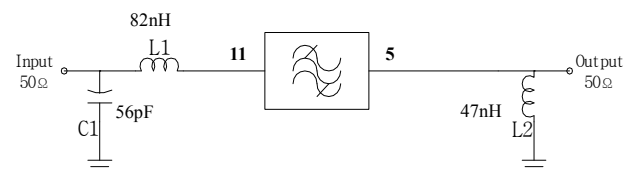
#### S1365 Package Dimension



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

#### Matching Schematic



#### Pin Configuration

Pin Configuration			
Input	11	Ground	6, 12
Output	5	Others	Ground

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

