

### 1. Features

- Typical 1dB bandwidth of 20.5 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

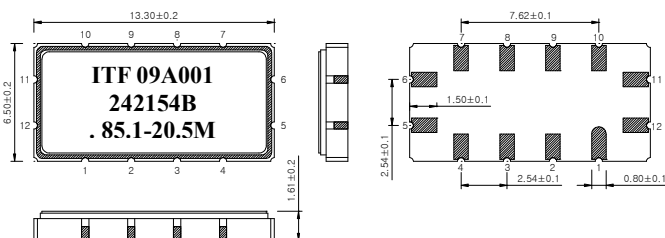
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

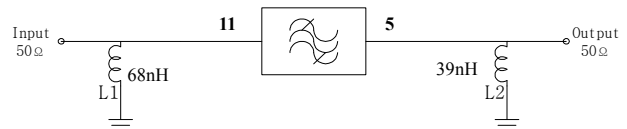
Operating Temperature : -30°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	85.1	-
Insertion Loss	dB	-	10.7	13.0
1dB Bandwidth	MHz	20.1	20.54	-
3dB Bandwidth	MHz	-	21.2	-
20dB Bandwidth	MHz	-	23.25	23.6
40dB Bandwidth	MHz	-	24.5	25.0
Amplitude Ripple (fo ± 9.22 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 9.22 MHz)	nsec	-	35	60
Absolute Delay	usec	-	1.02	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Operating Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	10.7	12.5
Amplitude Ripple (fo ± 9.62 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 9.62 MHz)	nsec	-	35	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 )

