

## 1. Features

- Typical 1dB bandwidth of 6.45 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package

**RoHS Compliant**

Tested by SGS Testing Korea

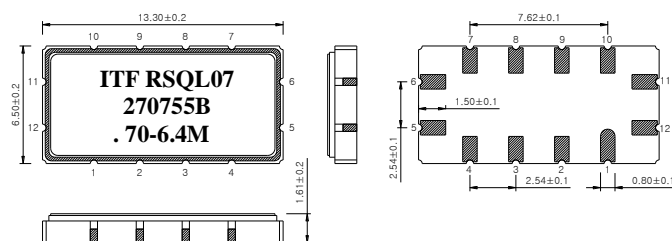
## 2. Electrical Specifications

Source and Load Impedance = 50Ω

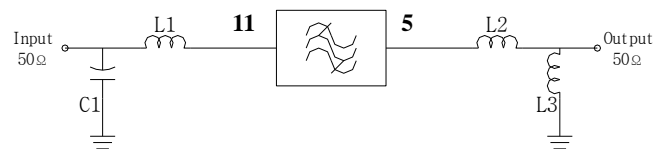
Operating Temperature : -40°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	9.5	11.5
1dB Bandwidth	MHz	5.9	6.45	-
3dB Bandwidth	MHz	-	7.09	-
40dB Bandwidth	MHz	-	9.4	10.0
Amplitude Ripple (fo ± 2.5 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 2.5 MHz)	nsec	-	45	100
Absolute Delay	usec	-	1.37	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	9.5	11.0
Amplitude Ripple (fo ± 2.88 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 2.88 MHz)	nsec	-	45	100

### S1365 Package Dimension



### Matching Schematic



**C1 = 56pF, L1 = 100nH, L2 = 18nH, L3 = 56nH**

### Pin Configuration

Pin Configuration			
<b>Input</b>	<b>11</b>	<b>Ground</b>	<b>6, 12</b>
<b>Output</b>	<b>5</b>	<b>Others</b>	<b>Ground</b>

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°C )**

