

## 1. Features

- Typical 1dB bandwidth of 3.22 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package

**RoHS Compliant**

Tested by SGS Testing Korea

## 2. Electrical Specifications

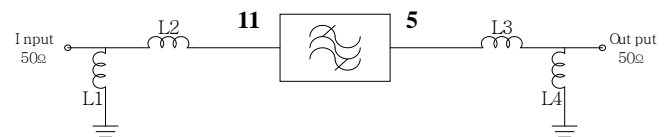
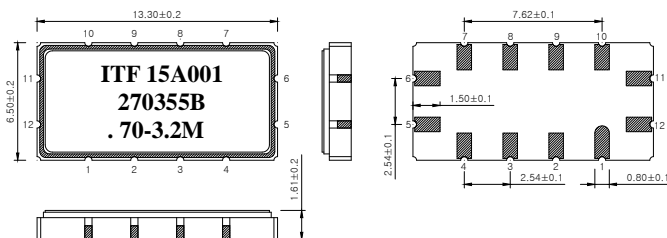
Source and Load Impedance = 50

Operating Temperature : -40°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	6.5	8.5
1dB Bandwidth	MHz	3.0	3.22	-
3dB Bandwidth	MHz	-	3.92	-
40dB Bandwidth	MHz	-	6.25	7.0
Amplitude Ripple (fo ± 1.0 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 1.0 MHz)	nsec	-	65	150
Absolute Delay	usec	-	1.25	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	6.5	8.0
Amplitude Ripple (fo ± 1.38 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 1.38 MHz)	nsec	-	65	150

**S1365 Package Dimension**

**Matching Schematic**



**L1 = 150nH, L2 = L3 = 27nH, L4 = 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**

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>

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

