

## 1. Features

- Typical 1dB bandwidth of 2.45 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package

**RoHS Compliant**

Tested by SGS Testing Korea

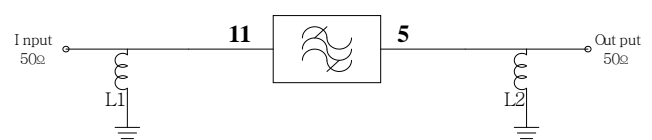
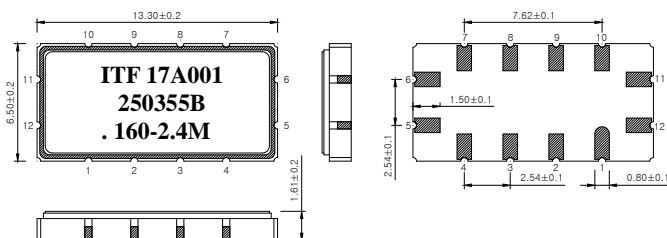
## 2. Electrical Specifications

Source and Load Impedance = 50

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	160.0	-
Insertion Loss	dB	-	11.5	13.5
1dB Bandwidth	MHz	2.2	2.45	-
3dB Bandwidth	MHz	-	3.15	-
40dB Bandwidth	MHz	-	5.45	5.7
Amplitude Ripple (fo ± 0.75 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 0.75 MHz)	nsec	-	85	200
Absolute Delay	usec	-	1.29	-
Ultimate Rejection	dB	40	47	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

**S1365 Package Dimension**

**Matching Schematic**



**L1 = L2 = 33nH**

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 )

