

### 1. Features

- Typical 1dB bandwidth of 2.75 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

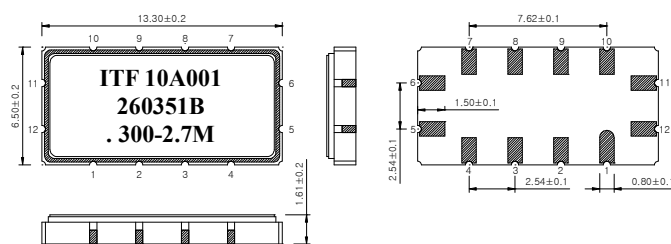
Tested by SGS Testing Korea

### 2. Electrical Specifications

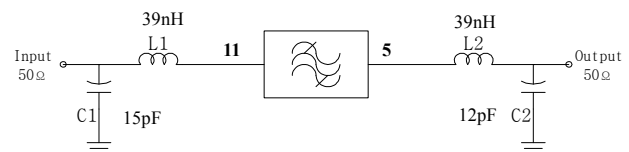
Source and Load Impedance = 50Ω

| Room Temperature : +25°C             |                     | Minimum | Typical | Maximum |
|--------------------------------------|---------------------|---------|---------|---------|
| Center Frequency (fo)                | MHz                 | -       | 300.0   | -       |
| Insertion Loss                       | dB                  | -       | 17.5    | 20.0    |
| 1dB Bandwidth                        | MHz                 | 2.0     | 2.75    | -       |
| 3dB Bandwidth                        | MHz                 | -       | 3.4     | -       |
| 40dB Bandwidth                       | MHz                 | -       | 5.95    | 6.2     |
| Amplitude Ripple (fo ± 1.0 MHz)      | dB                  | -       | 0.45    | 1.0     |
| Group Delay Variation (fo ± 1.0 MHz) | nsec                | -       | 60      | 150     |
| Absolute Delay                       | usec                | -       | 1.03    | -       |
| Ultimate Rejection                   | dB                  | 40      | 45      | -       |
| Temperature Coefficient of Frequency | ppm/°C <sup>2</sup> | -       | -0.03   | -       |

**S1365 Package Dimension**



**Matching Schematic**



**Pin Configuration**

|               | 11 | Ground | 6,12   |
|---------------|----|--------|--------|
| <b>Input</b>  | 11 | Ground | 6,12   |
| <b>Output</b> | 5  | Others | Ground |

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 )

