

### 1. Features

- Typical 1dB bandwidth of 9.6 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

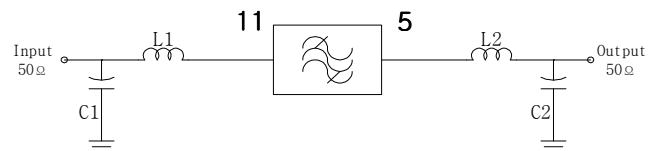
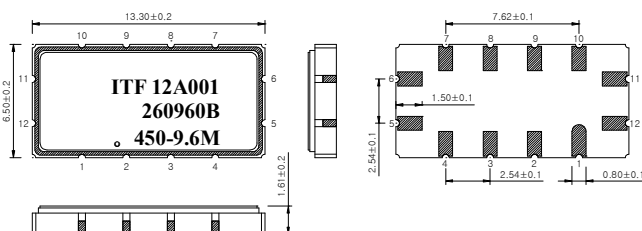
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : -20 °C ~ 70 °C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	450.0	-
Insertion Loss	dB	-	24.5	26.0
1dB Bandwidth	MHz	9.45	9.6	-
5dB Bandwidth	MHz	-	10.1	-
15dB Bandwidth	MHz	-	10.67	11.0
25dB Bandwidth	MHz	-	11.03	-
40dB Bandwidth	MHz	-	11.42	-
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	0.55	1.2
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	100	200
Absolute Delay	usec	-	1.57	-
Relative Attenuation fo ± 5.5MHz	dBc	-	20	-
Ultimate Rejection (fo ± 12.0 MHz)	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-	-0.03	-
Room Temperature : +25 °C		Minimum	Typical	Maximum
Insertion Loss	dB	-	24.5	26.0
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	0.55	1.2
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	100	200

S1365 Package Dimension

Matching Schematic



L1 = 12nH, L2 = 15nH, C1 = 18pF, C2 = 27pF

Pin Configuration

Pin Configuration			
Input	11	Ground	6,12
Output	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 )**

