

## 1. Features

- Typical 1dB bandwidth of 29.1 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

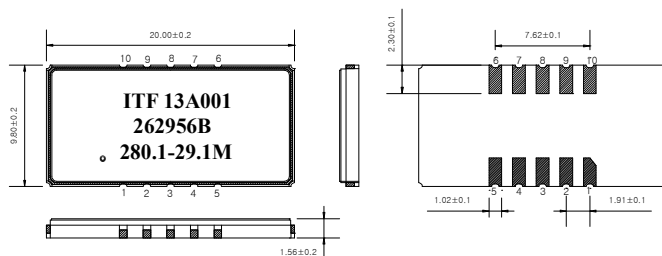
## 2. Electrical Specifications

Source and Load Impedance = 50Ω

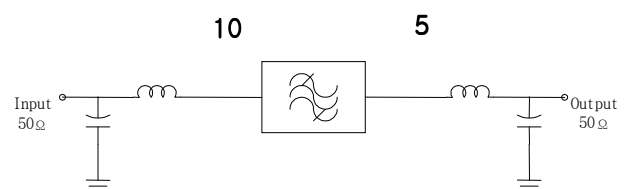
Operating Temperature : +25°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	280.1	-
Insertion Loss	dB	-	30.0	32.0
1dB Bandwidth	MHz	29.0	29.14	-
3dB Bandwidth	MHz	-	29.50	-
40dB Bandwidth	MHz	-	31.29	31.45
Amplitude Ripple (fo +/- 14.22 MHz)	dB	-	0.65	1.2
Group Delay Variation (fo +/- 14.22 MHz)	nsec	-	30	60
Absolute Delay	usec	-	2.14	-
Ultimate Rejection	dB	45	50	-
Input power	dBm	-	-	10
Temperature Coefficient of Frequency	ppm/°C	-18		

### S2098 Package Dimension



### Matching Schematic



**L1 = L2= 18nH, C1 = 24pF, C2 = 22pF**

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			
Input	10	Ground	1,6
Output	5	Others	Ground

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

