

## 1. Features

- Typical 1dB bandwidth of 29.3 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

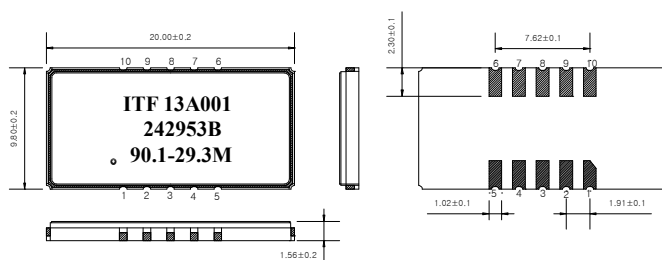
Tested by SGS Testing Korea

## 2. Electrical Specifications

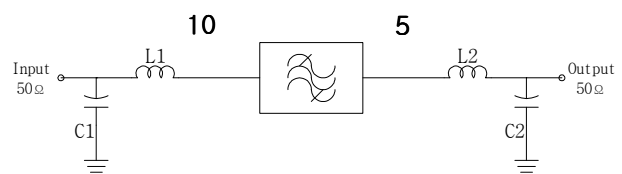
Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	90.1	-
Insertion Loss	dB	-	26.5	28.0
1dB Bandwidth	MHz	29.1	29.32	-
3dB Bandwidth	MHz	-	29.66	-
40dB Bandwidth	MHz	-	31.13	31.3
Amplitude Ripple (fo ± 14.22 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 14.22 MHz)	nsec	-	30	60
Absolute Delay	usec	-	1.94	-
Ultimate Rejection	dB	48	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

**S2098 Package Dimension**



**Matching Schematic**



$$L1 = L2 = 120\text{nH}, C1 = 10\text{pF}, C2 = 22\text{pF}$$

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**

	10	Ground	1,6
<b>Input</b>	10	Ground	1,6
<b>Output</b>	5	Others	Ground

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

