

## 1. Features

- Typical 1dB bandwidth of 9.2 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

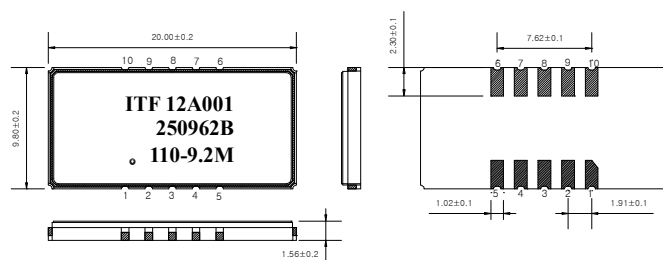
Tested by SGS Testing Korea

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	110.0	-
Insertion Loss	dB	-	28.0	30.0
1dB Bandwidth	MHz	9.1	9.25	-
3dB Bandwidth	MHz	-	9.44	-
20dB Bandwidth	MHz	-	10.05	-
40dB Bandwidth	MHz	-	10.42	10.55
Amplitude Ripple (fo ± 4.51 MHz)	dB	-	0.57	1.5
Group Delay Variation (fo ± 4.51 MHz)	nsec	-	110	200
Absolute Delay	usec	-	2.32	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-
Relative Attenuation @edge ± 0.555MHz	dBc	-	23	-

@Edge : 9.02MHz

### S2098 Package Dimension



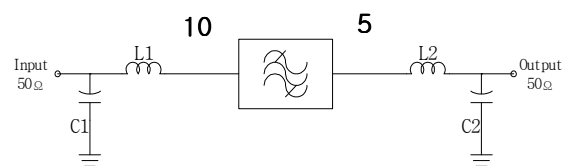
Dimensions shown are nominal in millimeters

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

### Matching Schematic



L1 = 47nH, L2 = 68nH, C1 = 20nH, C2 = 30pF

### Pin Configuration

Pin Configuration			
Input	10	Ground	1,6
Output	5	Others	Ground

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

