

### 1. Features

- Typical 1dB bandwidth of 0.31 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

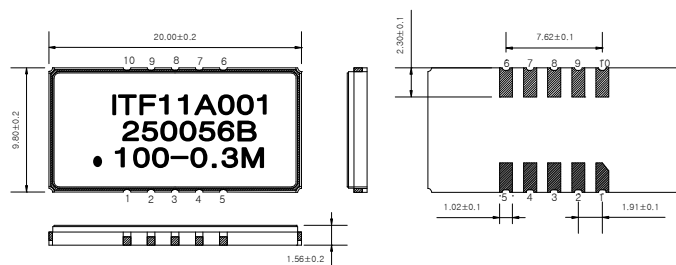
Tested by SGS Testing Korea

### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	100.0	-
Insertion Loss	dB	-	14.8	16.5
1dB Bandwidth	MHz	0.2	0.31	-
3dB Bandwidth	MHz	-	0.5	-
40dB Bandwidth	MHz	-	1.45	1.6
Amplitude Ripple (fo ± 0.1 MHz)	dB	-	0.19	1.0
Group Delay Variation (fo ± 0.1 MHz)	nsec	-	397	700
Absolute Delay	usec	-	2.26	-
Ultimate Rejection	dB	50	58	-
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-	-0.03	-

#### S2098 Package Dimension



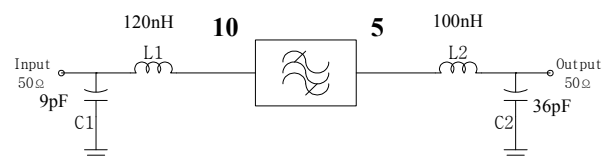
Dimensions shown are nominal in millimeters

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



#### Pin Configuration

	10	5	1,6
Input	Input	Ground	Ground
Output	Ground	Output	Ground

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

