

### 1. Features

- Typical 1dB bandwidth of 29.8 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

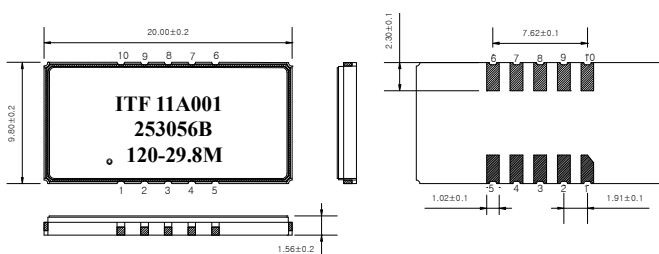
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : -5°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	120.0	-
Insertion Loss	dB	-	27.5	29.0
1dB Bandwidth	MHz	29.65	29.8	-
3dB Bandwidth	MHz	-	30.05	-
40dB Bandwidth	MHz	-	31.15	31.3
50dB Bandwidth	MHz	-	31.35	-
Amplitude Ripple (fo ± 14.32 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 14.32 MHz)	nsec	-	30	60
Absolute Delay	usec	-	2.34	-
Ultimate Rejection	dB	45	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	27.5	29.0
Amplitude Ripple (fo +/- 14.63 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo +/- 14.63 MHz)	nsec	-	30	60

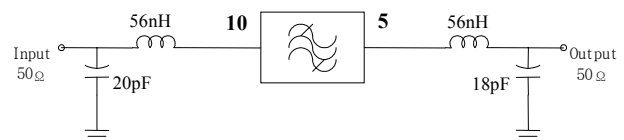
#### S2098 Package Dimension



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	Ground	1,4
<b>Input</b>			
<b>Output</b>	5	Others	Ground

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

