

## 1. Features

- Typical 1dB bandwidth of 30.4 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

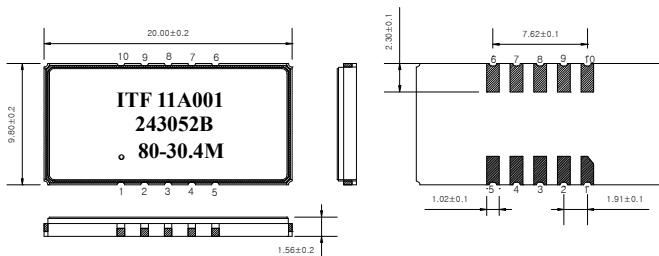
**Operating Temperature : -30°C ~ +80°C**

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	80.0	-
Insertion Loss	dB	-	26.5	28.0
1dB Bandwidth	MHz	30.25	30.42	-
3dB Bandwidth	MHz	-	30.92	-
40dB Bandwidth	MHz	-	33.13	33.3
Amplitude Ripple (fo ± 14.52 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 14.52 MHz)	nsec	-	20	60
Absolute Delay	usec	-	1.55	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

**Room Temperature : +25°C**

		Minimum	Typical	Maximum
Insertion Loss	MHz	-	26.5	28.0
Amplitude Ripple (fo ± 14.84 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 14.84 MHz)	nsec	-	20	60

### S2098 Package Dimension



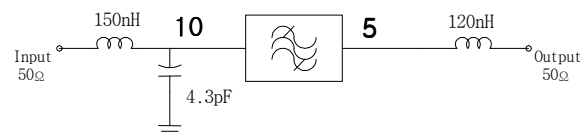
Dimensions shown are nominal in millimeters

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 )

