

### 1. Features

- Typical 1dB bandwidth of 29.6 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

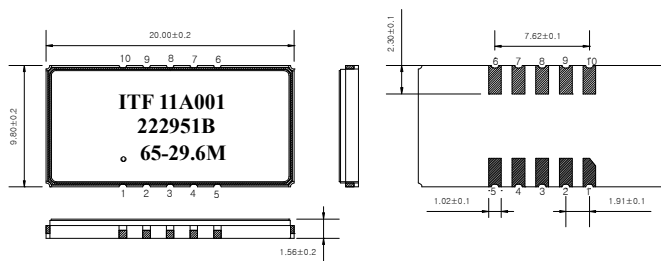
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

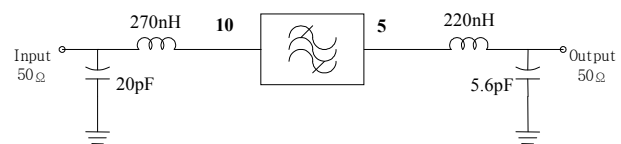
| Operating Temperature : -20℃ ~ +70℃    |       | Minimum | Typical | Maximum |
|--|-------|---------|---------|---------|
| Center Frequency (fo)                  | MHz   | -       | 65.0    | -       |
| Insertion Loss                         | dB    | -       | 28.5    | 30.0    |
| 1dB Bandwidth                          | MHz   | 29.4    | 29.61   | -       |
| 3dB Bandwidth                          | MHz   | -       | 29.9    | -       |
| 40dB Bandwidth                         | MHz   | -       | 31.18   | 31.4    |
| Amplitude Ripple (fo ± 14.32 MHz)      | dB    | -       | 0.5     | 1.2     |
| Group Delay Variation (fo ± 14.32 MHz) | nsec  | -       | 25      | 60      |
| Absolute Delay                         | usec  | -       | 2.44    | -       |
| Ultimate Rejection                     | dB    | 42      | 48      | -       |
| Temperature Coefficient of Frequency   | ppm/℃ | -       | -72     | -       |

| Room Temperature : +25℃                |      | Minimum | Typical | Maximum |
|--|------|---------|---------|---------|
| Insertion Loss                         | MHz  | -       | 28.5    | 30.0    |
| Amplitude Ripple (fo ± 14.53 MHz)      | dB   | -       | 0.5     | 1.2     |
| Group Delay Variation (fo ± 14.53 MHz) | nsec | -       | 25      | 60      |

**S2098 Package Dimension**



**Matching Schematic**



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>  |    |        |        |
| <b>Output</b> | 5  | Others | Ground |

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

