

### 1. Features

- Typical 1dB bandwidth of 2.55 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

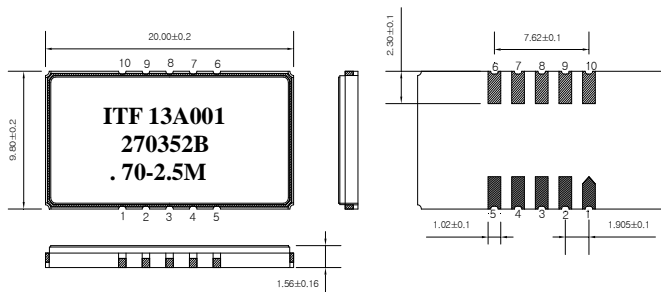
### 2. Electrical Specifications

Source and Load Impedance = 50

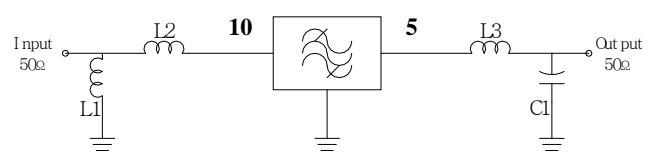
Operating Temperature : -40°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	13.0	15.5
1dB Bandwidth	MHz	2.1	2.55	-
3dB Bandwidth	MHz	-	3.15	-
40dB Bandwidth	MHz	-	5.5	6.0
Amplitude Ripple (fo ± 1.0 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 1.0 MHz)	nsec	-	55	110
Absolute Delay	usec	-	1.45	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	13.0	15.0
Amplitude Ripple (fo ± 1.08 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 1.08 MHz)	nsec	-	55	110

#### S2098 Package Dimension



#### Matching Schematic



**L1 = 82nH, L2 = 47nH, L3 = 150nH, C1 = 82pF**

#### Pin Configuration

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

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

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

