

**1. Features**

- Typical 1dB bandwidth of 5.3 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

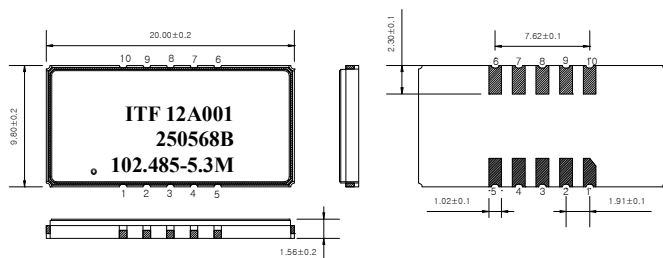
**2. Electrical Specifications**

Source and Load Impedance = 50Ω

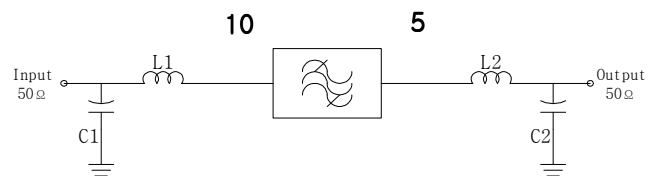
Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	102.485	-
Insertion Loss	dB	-	21.6	23.5
1dB Bandwidth	MHz	5.15	5.3	-
3dB Bandwidth	MHz	-	5.48	-
20dB Bandwidth	MHz	-	6.04	-
40dB Bandwidth	MHz	-	6.32	6.5
Amplitude Ripple (fo ± 2.46 MHz)	dB	-	0.8	1.2
Group Delay Variation (fo ± 2.46 MHz)	nsec	-	76	150
Absolute Delay	usec	-	2.3	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-
Relative Attenuation @edge ± 0.555MHz	dBc	-	20	-

@Edge : 4.92MHz

**S2098 Package Dimension**



**Matching Schematic**



**L1 = 39nH, L2 = 68nH, C1 = 63pF, C2 = 43pF**

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**

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

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

