

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

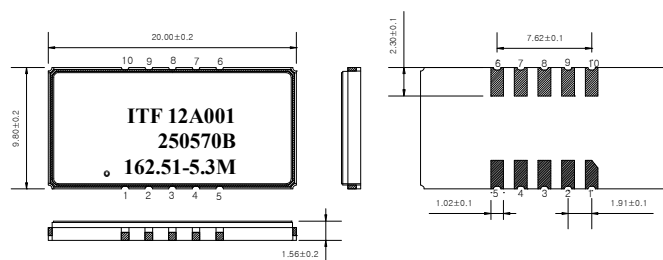
2. Electrical Specifications

Source and Load Impedance = 50Ω

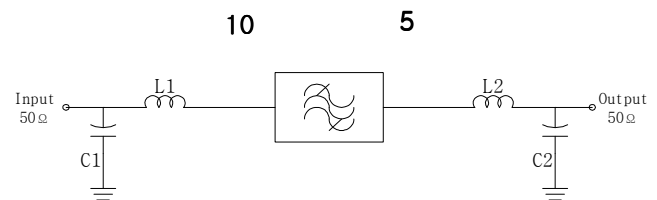
Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	162.51	-
Insertion Loss	dB	-	24.0	25.5
1dB Bandwidth	MHz	5.2	5.3	-
3dB Bandwidth	MHz	-	5.52	-
20dB Bandwidth	MHz	-	6.19	-
40dB Bandwidth	MHz	-	6.54	6.7
Amplitude Ripple (fo ± 2.46 MHz)	dB	-	0.5	1.2
Group Delay Variation (fo ± 2.46 MHz)	nsec	-	120	200
Absolute Delay	usec	-	2.2	-
Ultimate Rejection	dB	40	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-
Relative Attenuation @edge ± 0.555MHz	dBc	-	20	-

@Edge : 4.92MHz

S2098 Package Dimension



Matching Schematic



L1 = 10nH, L2 = 10nH, C1 = 36pF, C2 = 20pF

Dimensions shown are nominal in millimeters

Body : Al₂O₃
 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)

