

1. Features

- Typical 1dB bandwidth of 5.3 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

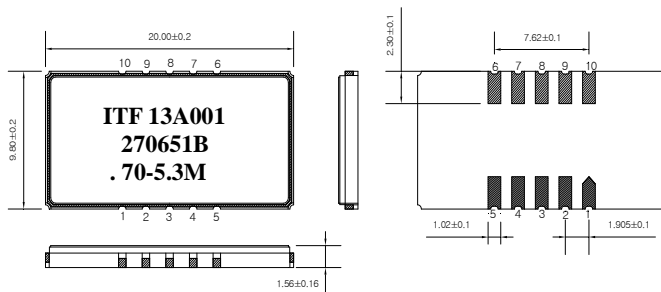
2. Electrical Specifications

Source and Load Impedance = 50

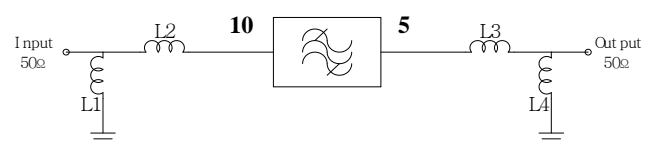
Operating Temperature : -40°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	7.5	10.0
1dB Bandwidth	MHz	4.9	5.3	-
3dB Bandwidth	MHz	-	5.96	-
40dB Bandwidth	MHz	-	8.3	8.8
Amplitude Ripple (fo ± 2.0 MHz)	dB	-	0.65	1.0
Group Delay Variation (fo ± 2.0 MHz)	nsec	-	75	150
Absolute Delay	usec	-	1.36	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	7.5	9.5
Amplitude Ripple (fo ± 2.4 MHz)	dB	-	0.65	1.0
Group Delay Variation (fo ± 2.4 MHz)	nsec	-	75	150

S2098 Package Dimension



Matching Schematic



L1 = 100nH, L2 = 33nH, L3 = 18nH, L4 = 68nH

Pin Configuration

	10	Ground	1, 6
Input			
Output	5	Others	Ground

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

3. Typical Performance (at +25)

