

1. Features

- Typical 1dB bandwidth of 4.6 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

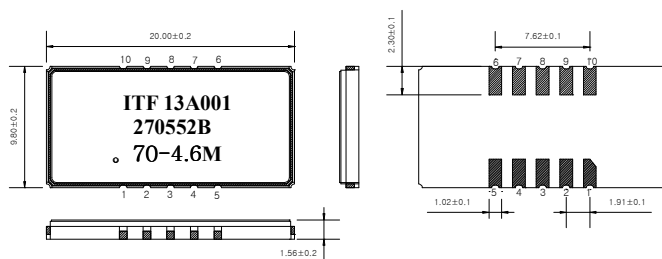
2. Electrical Specifications

Source and Load Impedance = 50Ω

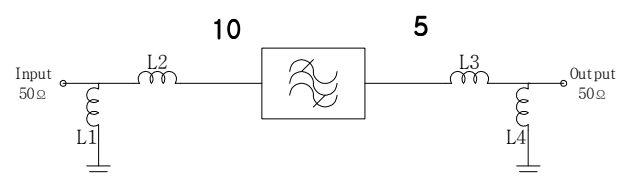
Operating Temperature : -40 °C ~ +80 °C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	23.5	25.0
1dB Bandwidth	MHz	4.50	4.67	-
3dB Bandwidth	MHz	-	5.0	-
40dB Bandwidth	MHz	-	6.40	6.55
Amplitude Ripple (fo ± 2.0 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 2.0 MHz)	nsec	-	100	200
Absolute Delay	usec	-	3.42	-
Ultimate Rejection	dB	48	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25 °C		Minimum	Typical	Maximum
Insertion Loss	dB	-	23.5	25.0
Amplitude Ripple (fo ± 2.08 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 2.08 MHz)	nsec	-	100	200

S2098 Package Dimension



Matching Schematic



L1 = 68nH, L2 = 56nH, L3 = 56nH, L4 = 68nH

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)

