

1. Features

- Typical 1dB bandwidth of 23.76 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package

RoHS Compliant

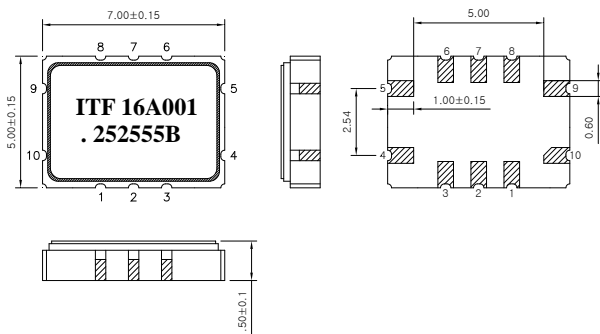
Tested by SGS Testing Korea

2. Electrical Specifications

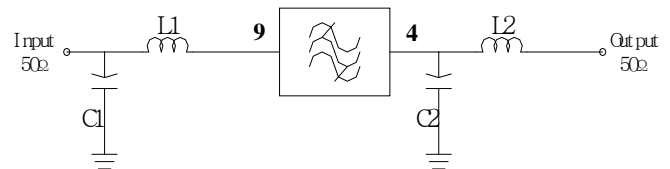
Source and Load Impedance = 50

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	100.0	-
Insertion Loss	dB	-	14.0	15.5
1dB Bandwidth	MHz	23.3	23.76	-
3dB Bandwidth	MHz	-	24.92	-
35dB Bandwidth	MHz	-	30.1	31.0
Amplitude Ripple (fo ± 10.5 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 10.5 MHz)	nsec	-	25	60
Absolute Delay	usec	-	0.6	-
Ultimate Rejection	dB	38	43	-
Relative Attenuation				
0.1 MHz ~ 80.0 MHz	dB	50	55	-
140.0 MHz ~ 400.0 MHz	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

S7050 Package Dimension



Matching Schematic



C1 = 51pF, L1 = 100nH, C2 = 2pF, L2 = 39nH

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

	9	Ground	5, 10
Input			
Output	4	Others	Ground

3. Typical Performance (at +25°C)

