

1. Features

- Typical 1dB bandwidth of 13.05 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

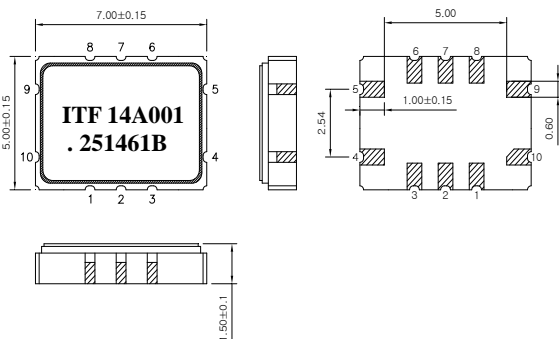
2. Electrical Specifications

Source and Load Impedance = 50

Operating Temperature : -35°C ~ +60°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	157.0	-
Insertion Loss	dB	-	8.0	10.5
1dB Bandwidth	MHz	12.5	13.05	-
3dB Bandwidth	MHz	-	14.36	-
40dB Bandwidth	MHz	-	19.0	19.5
Amplitude Ripple (fo ± 5.0 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 5.0 MHz)	nsec	-	35	70
Absolute Delay	usec	-	0.63	-
Ultimate Rejection	dB	38	43	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	8.0	10.0
Amplitude Ripple (fo ± 5.65 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 5.65 MHz)	nsec	-	35	70

S7050 Package Dimension



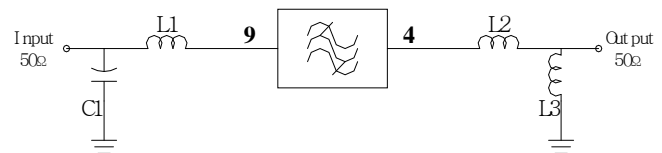
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

Matching Schematic



C1 = 22pF, L1 = 56nH, L2 = 2.7nH, L3 = 27nH

Pin Configuration

Pin Configuration			
Input	9	Ground	5, 10
Output	4	Others	Ground

3. Typical Performance (at +25°C)

