

1. Features

- Typical 1dB bandwidth of 29.7 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

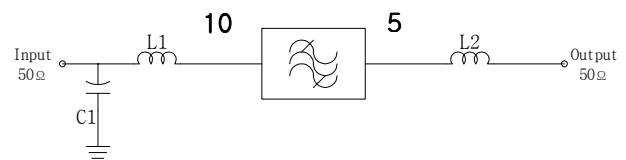
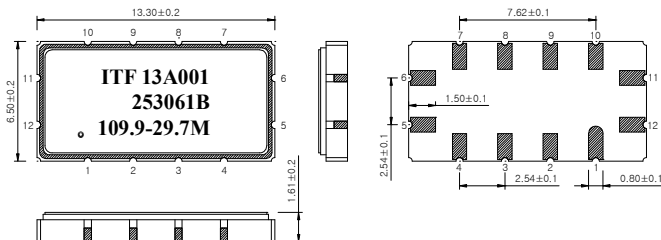
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	109.9	-
Insertion Loss	dB	-	23.6	25.5
1dB Bandwidth	MHz	29.55	29.74	-
3dB Bandwidth	MHz	-	30.17	-
40dB Bandwidth	MHz	-	32.10	32.25
Amplitude Ripple (fo ± 14.22 MHz)	dB	-	0.60	1.2
Group Delay Variation (fo ± 14.22 MHz)	nsec	-	30	60
Absolute Delay	usec	-	1.50	-
Ultimate Rejection	dB	43	50	-
Relative Attenuation				
93.42MHz	dB	35	50	-
126.28MHz	dB	35	50	-
Temperature Coefficient of Frequency	ppm/°C	-72		

S1365 Package Dimension

Matching Schematic



L1 = L2 = 100nH, C1 = 7pF

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			
Input	11	Ground	6, 12
Output	5	Others	Ground

3. Typical Performance (at +25°C)

