

1. Features

- Typical 1dB bandwidth of 14.3 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

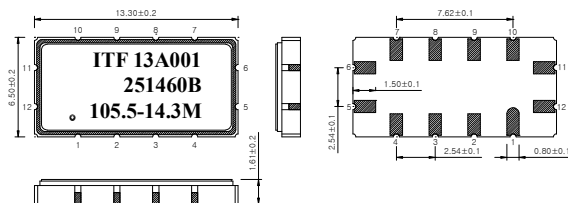
2. Electrical Specifications

Source and Load Impedance = 50Ω

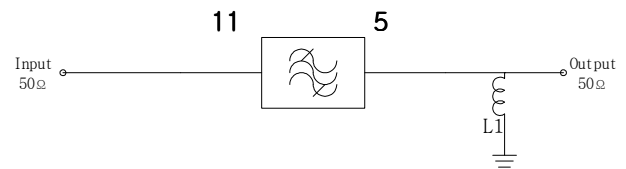
Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	105.5	-
Insertion Loss	dB	-	21.5	23.5
1dB Bandwidth	MHz	14.2	14.35	-
3dB Bandwidth	MHz	-	14.71	-
40dB Bandwidth	MHz	-	16.22	16.4
Amplitude Ripple (fo ± 6.85 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 6.85 MHz)	nsec	-	45	100
Absolute Delay	usec	-	1.67	2.0
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-
Relative Attenuation				
fo ± 7.9925 MHz	dBc	-	25	
fo ± 8.2425 MHz	dBc	40	50	

* Input POWER : +10dBm

S1365 Package Dimension



Matching Schematic



L1 = 270nH

Pin Configuration

	11	Ground	12,6
Input	11	Ground	12,6
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°C)

