

1. Features

- Typical 1dB bandwidth of 14.5 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

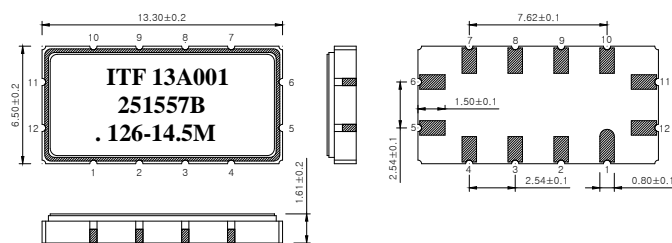
Tested by SGS Testing Korea

2. Electrical Specifications

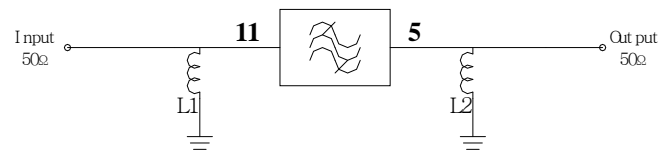
Source and Load Impedance = 50

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	126.0	-
Insertion Loss	dB	-	8.5	11.0
1dB Bandwidth	MHz	14.0	14.5	-
3dB Bandwidth	MHz	-	15.54	-
40dB Bandwidth	MHz	-	19.5	20.0
Amplitude Ripple (fo ± 6.1 MHz)	dB	-	0.25	1.0
Group Delay Variation (fo ± 3.5 MHz)	nsec	-	20	30
Group Delay Variation (fo ± 6.1 MHz)	nsec	-	25	40
Group Delay Variation (fo ± 7.0 MHz)	nsec	-	50	60
Absolute Delay	usec	-	0.88	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

S1365 Package Dimension



Matching Schematic



L1 = 27nH, L2 = 22nH

Pin Configuration

Pin Configuration			
Input	11	Ground	6, 12
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)

