

### 1. Features

- Typical 1dB bandwidth of 14.95 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

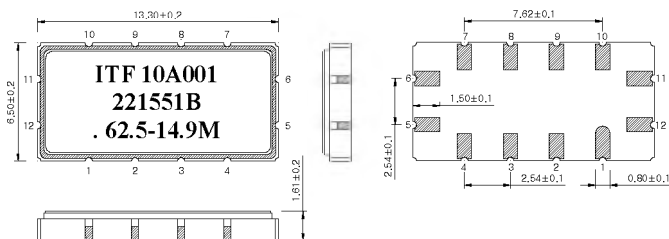
### 2. Electrical Specifications

Source and Load Impedance = 50Ω

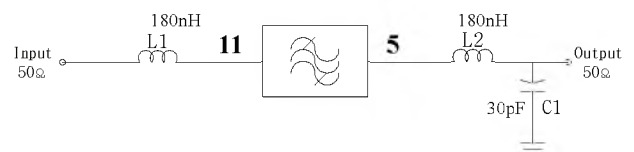
Room Temperature : +25°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	62.5	-
Insertion Loss	dB	-	12.0	14.0
1dB Bandwidth	MHz	14.6	14.95	-
3dB Bandwidth	MHz	-	15.85	-
40dB Bandwidth	MHz	-	19.8	20.3
Amplitude Ripple (fo ± 6.8 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 6.8 MHz)	nsec	-	30	60
Absolute Delay	usec	-	0.96	1.0
Ultimate Rejection	dB	40	47	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

### S1365 Package Dimension



### Matching Schematic



Dimensions shown are nominal in millimeters

Body : Al<sub>2</sub>O<sub>3</sub>

Lid : Kovar, Ni Plated

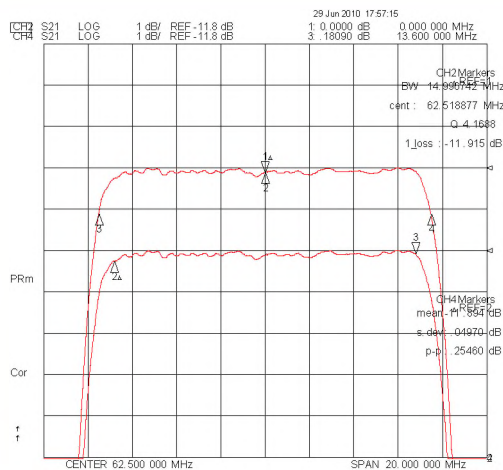
Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

### Pin Configuration

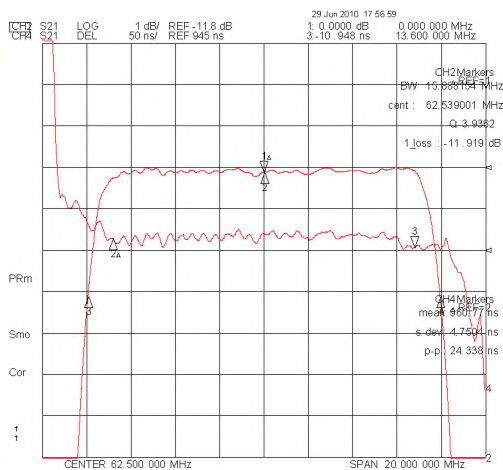
	11	Ground	6,12
Input	11	Ground	6,12
Output	5	Others	Ground

### 3. Typical Performance ( at +25°C )

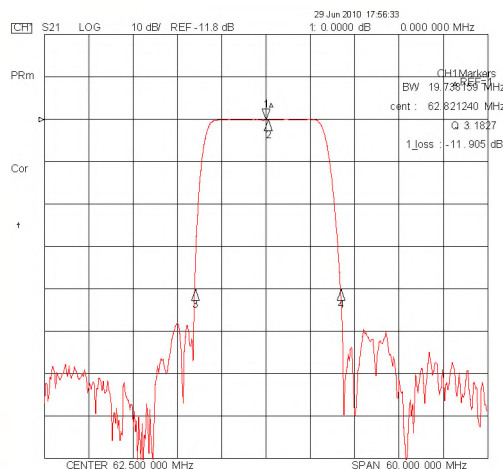
#### 1dB Bandwidth & Ripple



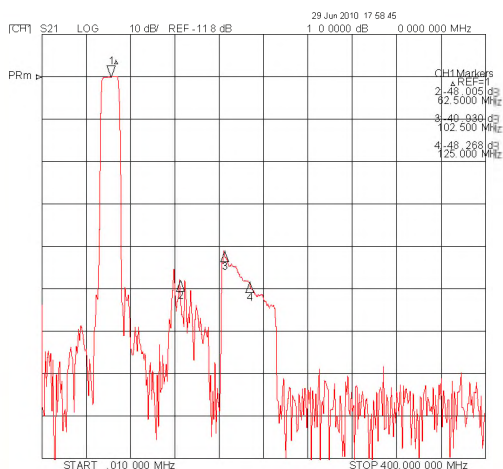
#### 3dB Bandwidth & Group Delay



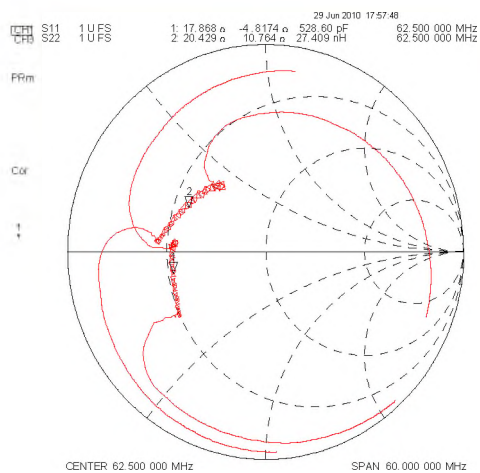
#### 40dB Bandwidth



#### Wide band Properties



#### Smith Chart(S11 & S22)



#### SWR(S11 & S22)

