

## 1. Features

- Typical 1dB bandwidth of 25.5 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

Tested by SGS Testing Korea

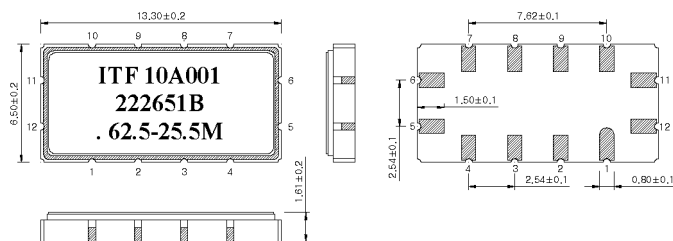
## 2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	62.5	-
Insertion Loss	dB	-	18.0	20.0
1dB Bandwidth	MHz	25.0	25.5	-
3dB Bandwidth	MHz	-	26.3	-
40dB Bandwidth	MHz	-	30.3	30.8
Amplitude Ripple (fo ± 12.5 MHz)	dB	-	0.8	1.5
Group Delay Variation (fo ± 12.5 MHz)	nsec	-	35	70
Absolute Delay	usec	-	1.2	-
Ultimate Rejection	dB	40	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

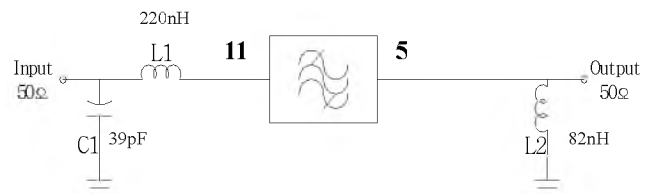
### S1365 Package Dimension



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

### Matching Schematic

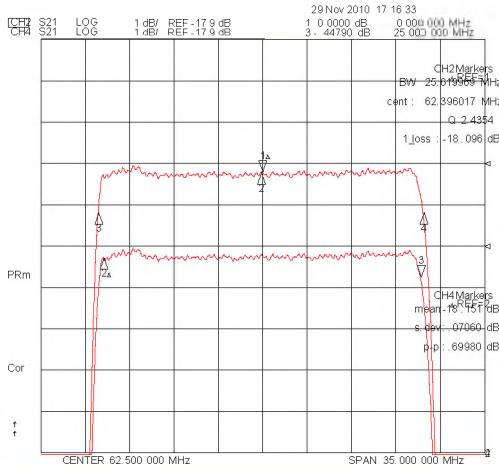


### Pin Configuration

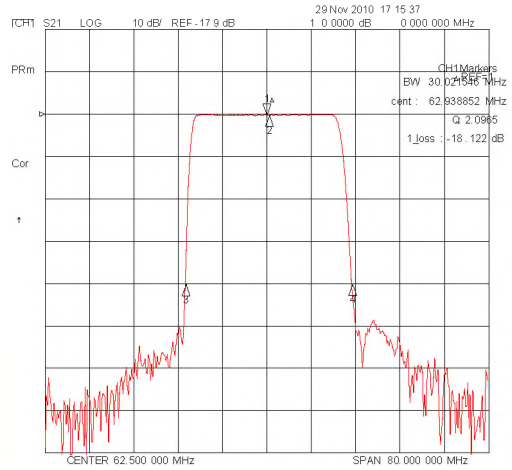
Input	11	Ground	6,12
Output	5	Others	Ground

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

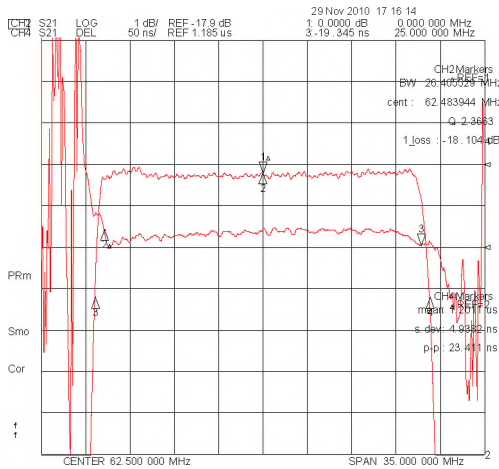
#### 1dB Bandwidth & Ripple



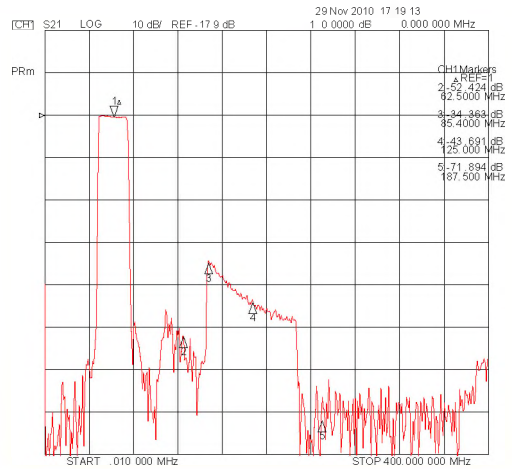
#### 40dB Bandwidth



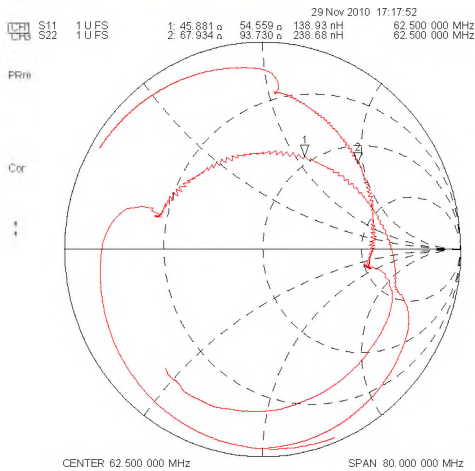
#### 3dB Bandwidth & Group Delay



#### Wide band Properties



#### Smith Chart(S11 & S22)



#### SWR(S11 & S22)

