

1. Features

- Typical 1dB bandwidth of 14.8 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

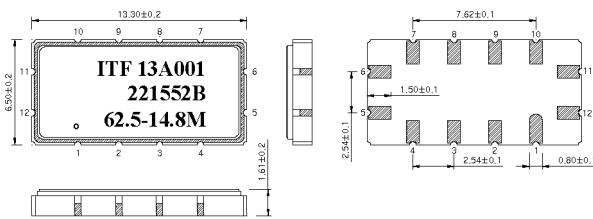
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	62.5	-
Insertion Loss	dB	-	24.5	26.0
1dB Bandwidth	MHz	14.65	14.86	-
3dB Bandwidth	MHz	-	15.41	-
40dB Bandwidth	MHz	-	17.76	17.95
Amplitude Ripple (fo ± 6.95 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 6.95 MHz)	nsec	-	30	80
Absolute Delay	usec	-	1.47	-
Ultimate Rejection	dBc	40	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

S1365 Package Dimension



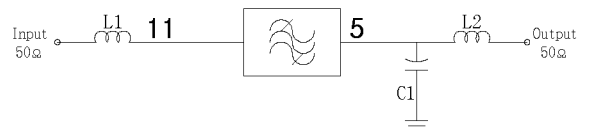
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

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

Matching Schematic



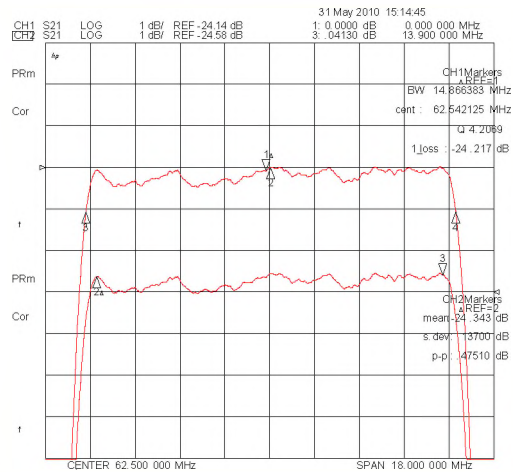
L1 = 180nH, L2 = 220nH, C1 = 12pF

Pin Configuration

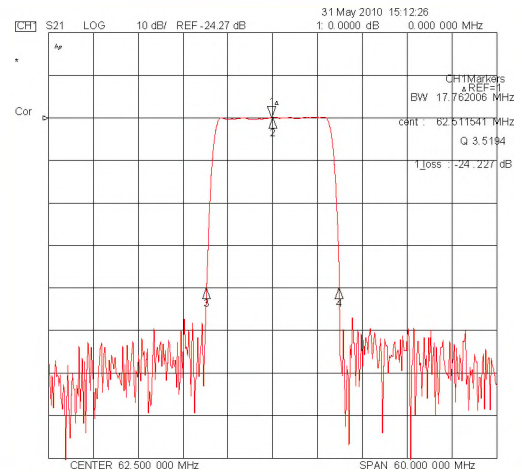
Pin Configuration			
Input	11	Ground	6, 12
Output	5	Others	Ground

3. Typical Performance (at +25°C)

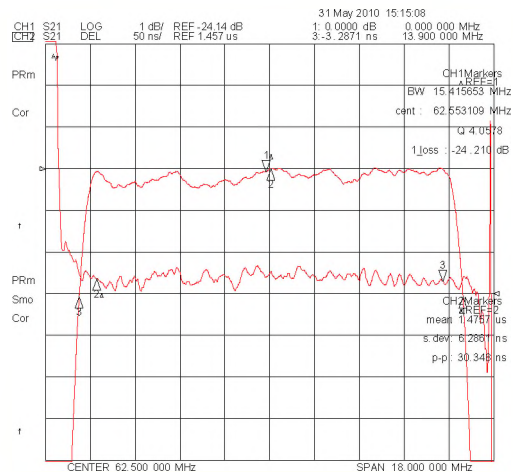
1dB Bandwidth & Ripple



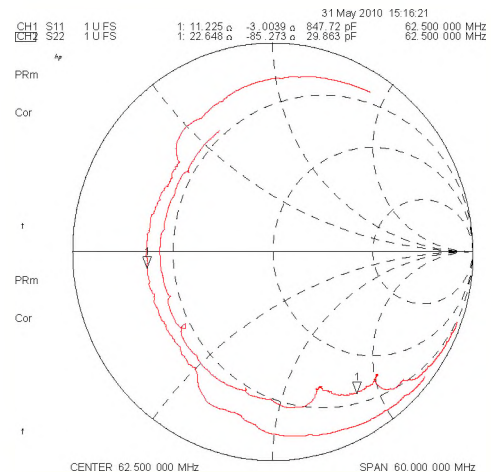
40dB Bandwidth



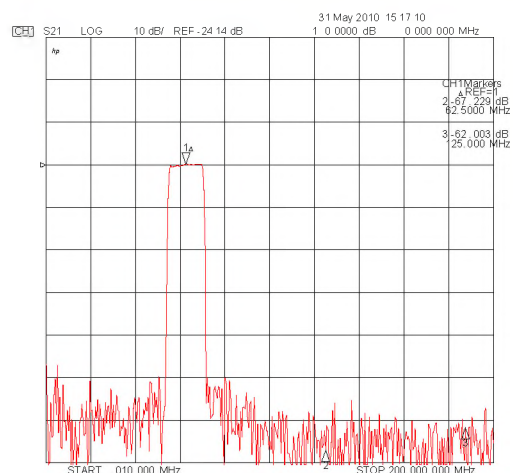
3dB Bandwidth & Group Delay



Smith Chart(S11 & S22)



Wide band Properties



SWR(S11 & S22)

