

1. Features

- Typical 1dB bandwidth of 14.35 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

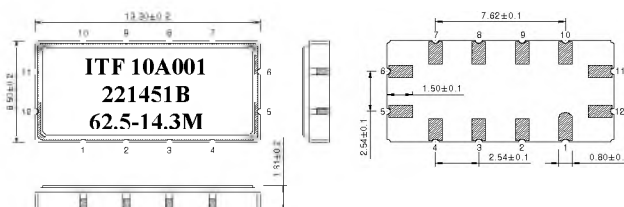
Tested by SGS Testing Korea

2. Electrical Specifications

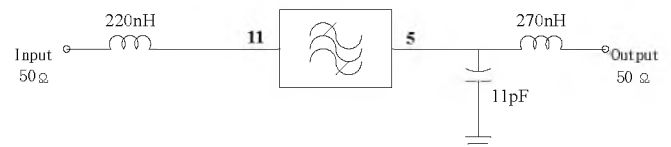
Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	62.5	-
Insertion Loss	dB	-	23.0	25.0
1dB Bandwidth	MHz	14.2	14.35	-
3dB Bandwidth	MHz	-	14.95	-
40dB Bandwidth	MHz	-	17.4	17.45
Amplitude Ripple (fo ± 6.8 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 6.8 MHz)	nsec	-	40	80
Absolute Delay	usec	-	1.48	-
Ultimate Rejection	dB	42	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

S1365 Package Dimension



Matching Schematic



Dimensions shown are nominal in millimeters

Body : Al_2O_3

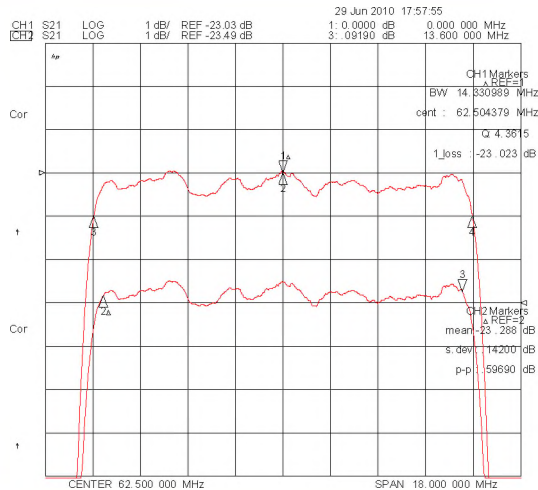
Body : Al_2O_3
Lid : Kovar, Ni Plated

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

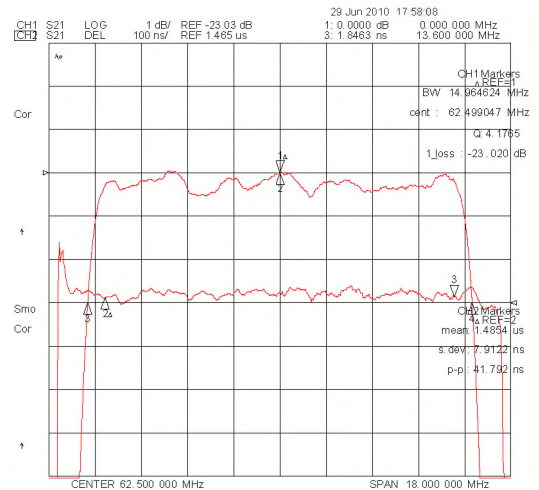
Pin Configuration			
Input	11	Ground	6,12
Output	5	Others	Ground

3. Typical Performance (at +25°C)

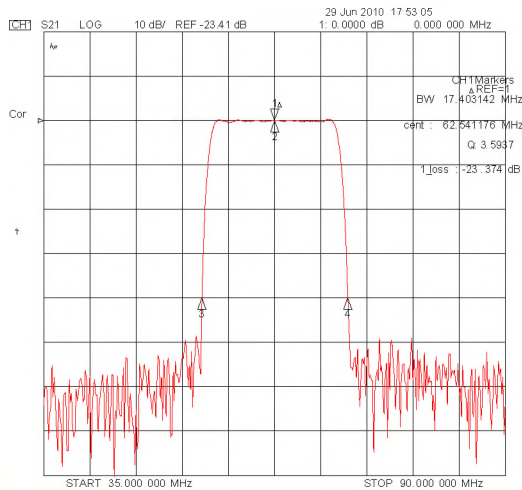
1dB Bandwidth & Ripple



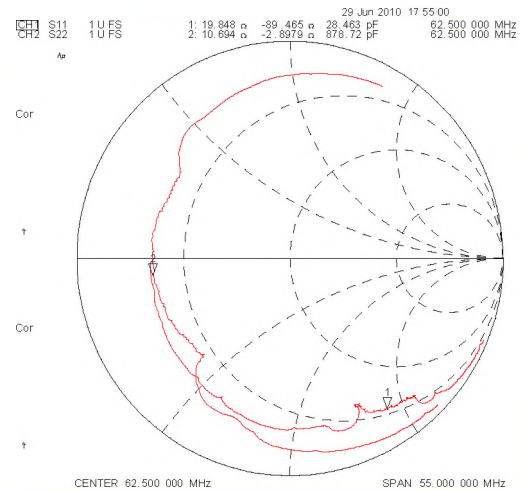
3dB Bandwidth & Group Delay



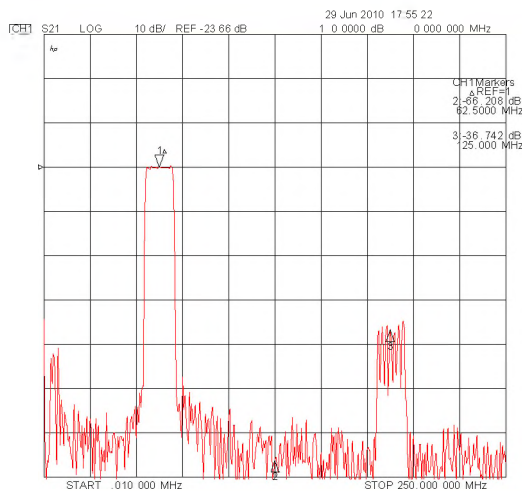
40dB Bandwidth



Smith chart(S11 & S22)



Wide band Properties



SWR(S11 & S22)

