

1. Features

- Typical 1dB bandwidth of 9.80 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

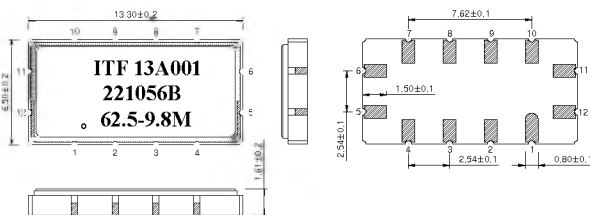
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	62.5	-
Insertion Loss	dB	-	21.5	23.0
1dB Bandwidth	MHz	9.60	9.80	-
3dB Bandwidth	MHz	-	10.26	-
40dB Bandwidth	MHz	-	12.20	12.40
Amplitude Ripple (fo ± 4.55 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 4.55 MHz)	nsec	-	50	100
Absolute Delay	usec	-	1.64	-
Ultimate Rejection	dB	45	48	-
Temperature Coefficient of Frequency	ppm/℃	-	-72	-

S1365 Package Dimension



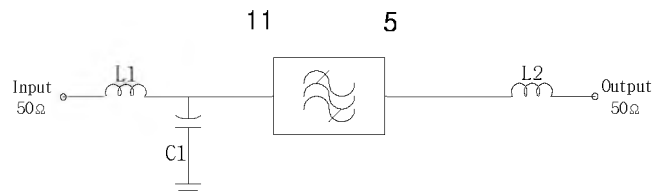
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

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

Matching Schematic



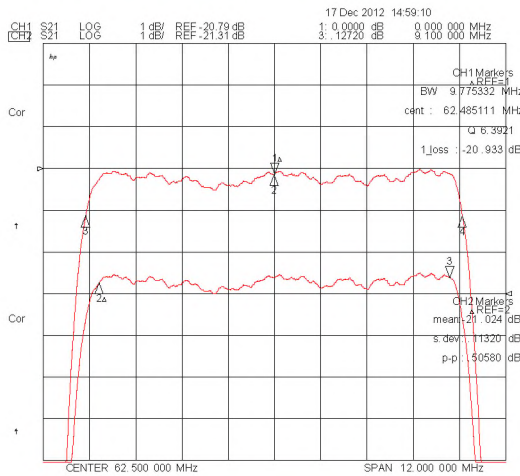
L1 = 180nH, L2 = 180nH, C1 = 14pF

Pin Configuration

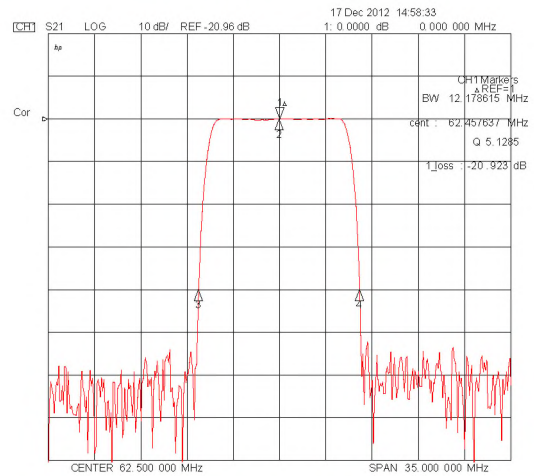
	11	Ground	6, 12
Input	11	Ground	6, 12
Output	5	Others	Ground

3. Typical Performance (at +25°C)

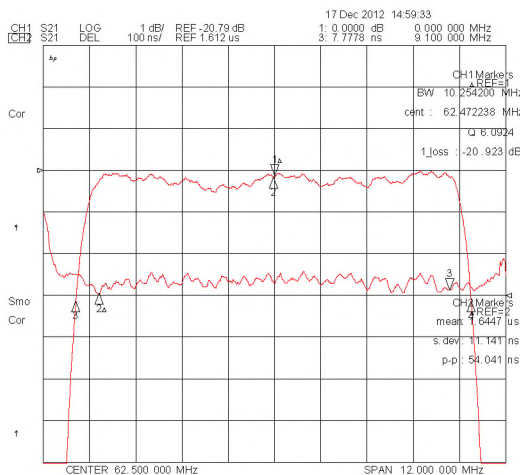
1dB Bandwidth & Ripple



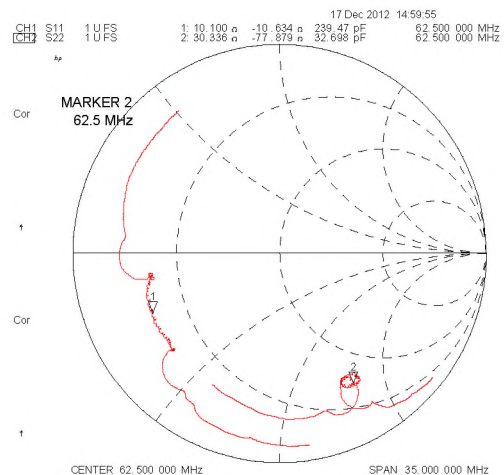
40dB Bandwidth



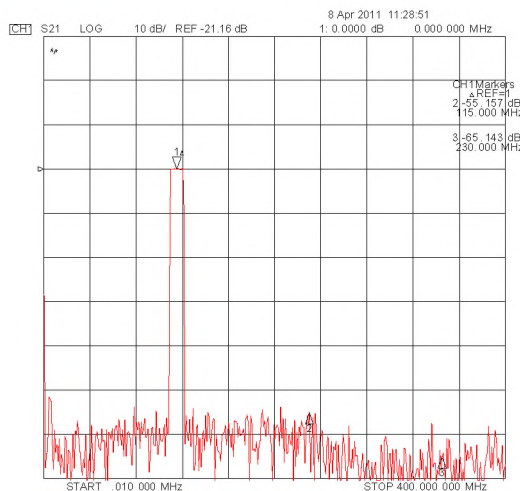
3dB Bandwidth & Group Delay



Smith Chart



Wide band Properties



SWR(S11 & S22)

