

1. Features

- Typical 1dB bandwidth of 19.75 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

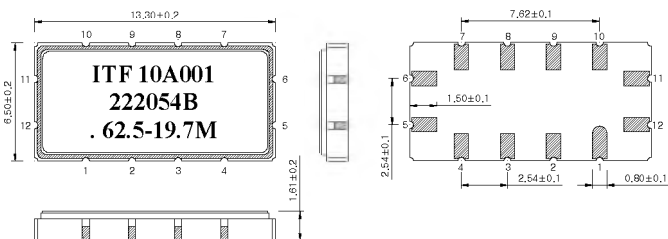
2. Electrical Specifications

Source and Load Impedance = 50Ω

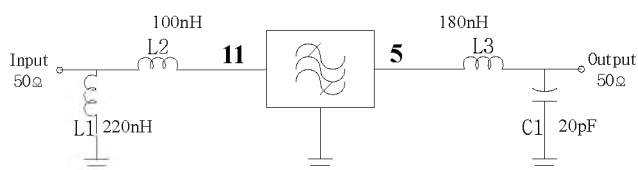
Room Temperature : +25°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	62.5	-
Insertion Loss	dB	-	14.5	16.5
1dB Bandwidth	MHz	19.5	19.75	-
3dB Bandwidth	MHz	-	20.75	-
40dB Bandwidth	MHz	-	25.0	25.5
Amplitude Ripple (fo ± 9.32 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 9.32 MHz)	nsec	-	25	60
Absolute Delay	usec	-	0.83	0.85
Ultimate Rejection	dB	40	47	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

S1365 Package Dimension



Matching Schematic



Dimensions shown are nominal in millimeters

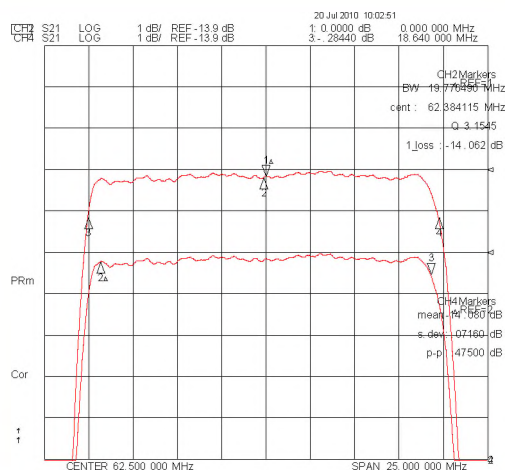
Body : Al₂O₃
 Lid : Kovar, Ni Plated
 Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

Pin Configuration

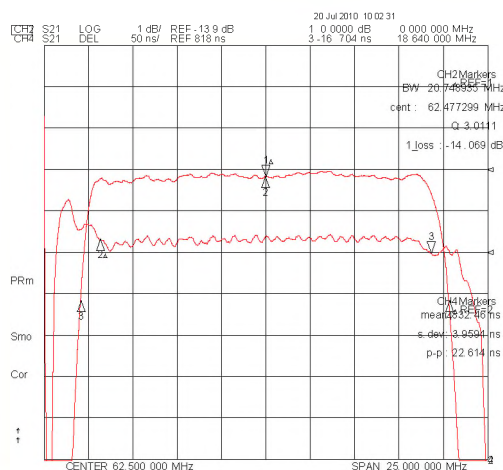
Input	11	Ground	6,12
Output	5	Others	Ground

3. Typical Performance (at +25°C)

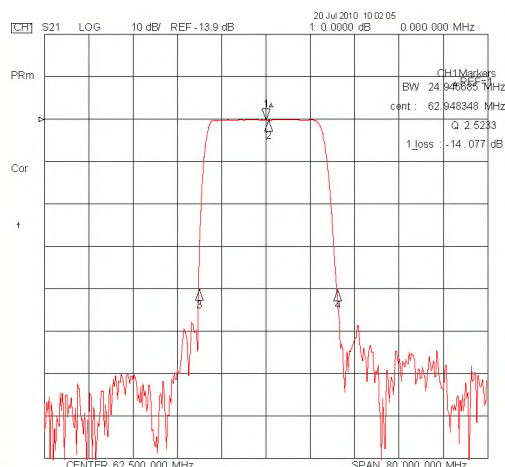
1dB Bandwidth & Ripple



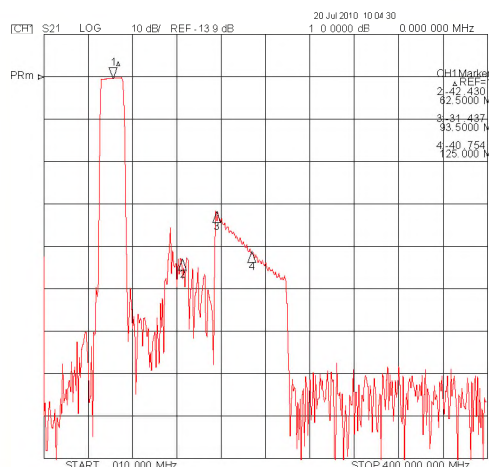
3dB Bandwidth & Group Delay



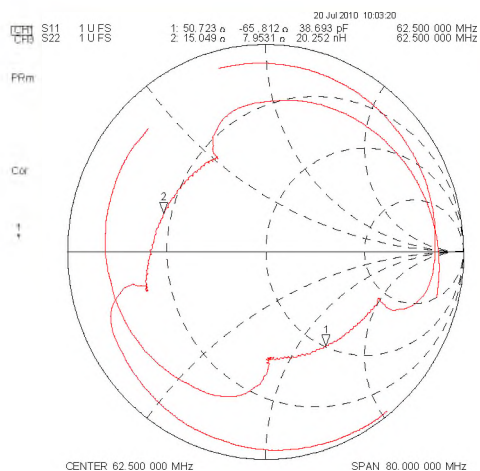
40dB Bandwidth



Wide band Properties



Smith Chart(S11 & S22)



SWR(S11 & S22)

