

1. Features

- Typical 1dB bandwidth of 9.5 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

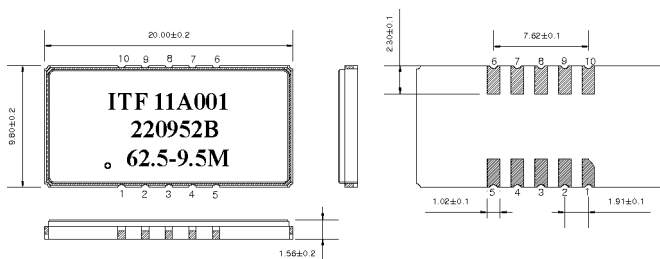
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	62.5	-
Insertion Loss	dB	-	22.7	24.5
1dB Bandwidth	MHz	9.4	9.5	-
3dB Bandwidth	MHz	-	9.8	-
40dB Bandwidth	MHz	-	11.05	11.15
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	45	80
Absolute Delay	usec	-	2.31	-
Ultimate Rejection	dB	50	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

S2098 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

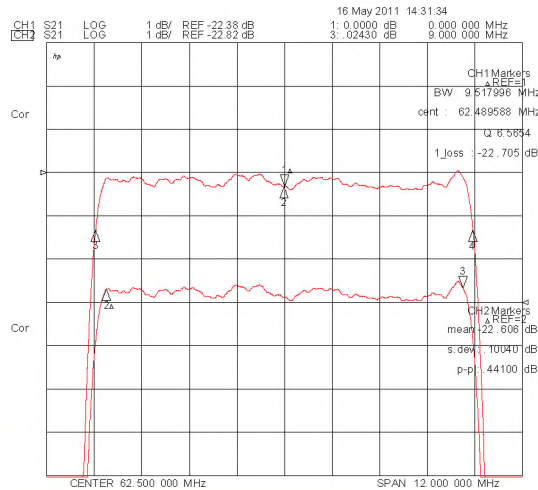


Pin Configuration

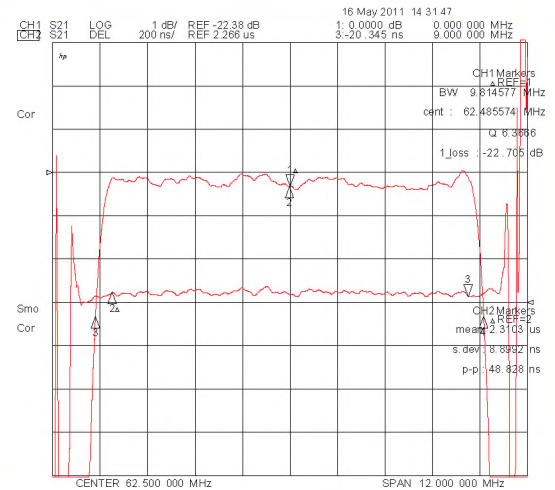
Input	10	Ground	1, 4
Output	5	Others	Ground

3. Typical Performance (at +25°C)

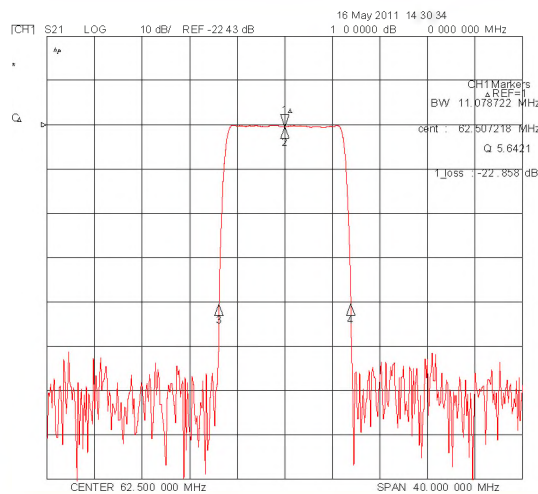
1dB Bandwidth & Ripple



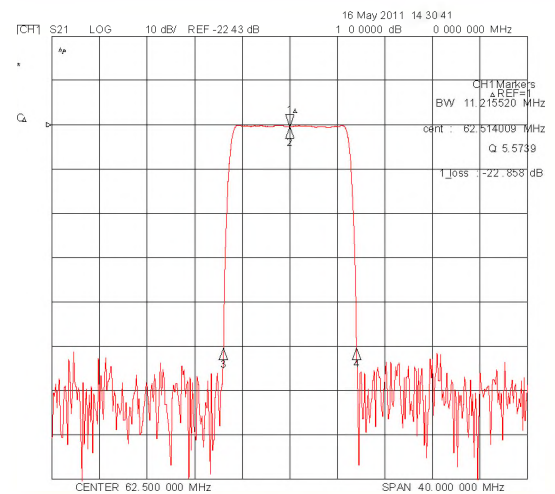
3dB Bandwidth & Group Delay



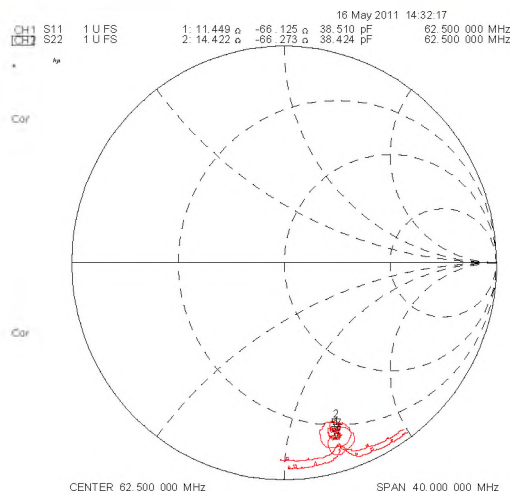
40dB Bandwidth



50dB Bandwidth



Smith Chart



SWR(S11 & S22)

