57.6 MHz SAW Filter
Part Number 211152B

1. Features

- Typical 1dB Bandwidth of 11.11 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

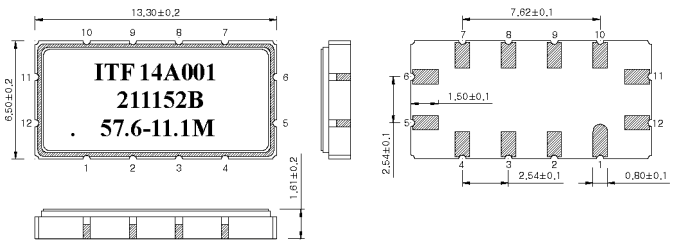
2. Electrical Specifications

Source and Load Impedance = 50Ω

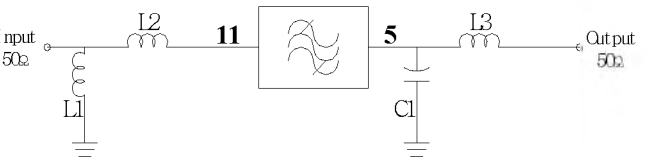
Operating Temperature : -30℃ ~ +80℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	57.6	-
Insertion Loss	dB	-	12.5	14.5
1dB Bandwidth	MHz	10.7	11.11	-
3dB Bandwidth	MHz	-	11.92	-
40dB Bandwidth	MHz	-	15.5	16.0
Amplitude Ripple (fo ± 4.9 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 4.9 MHz)	nsec	-	40	90
Absolute Delay	usec	-	0.98	1.0
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/℃	-	-86	-

Room Temperature : +25℃		Minimum	Typical	Maximum
Insertion Loss	dB	-	12.5	14.0
Amplitude Ripple (fo ± 5.18 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 5.18 MHz)	nsec	-	40	90

S1365 Package Dimension



Matching Schematic



L1 = 150nH, L2 = 120nH, C1 = 10pF, L3 = 68nH

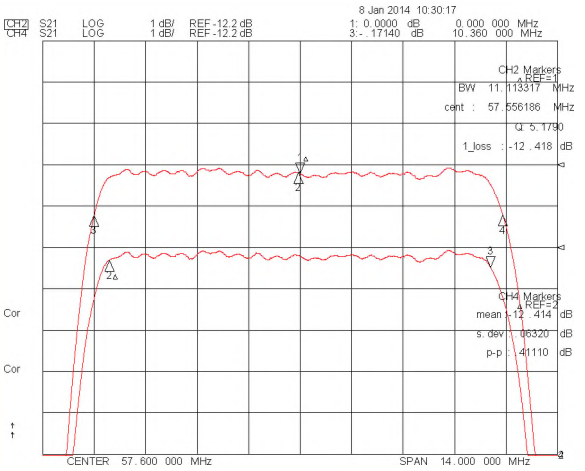
Pin Configuration			
Input	11	Ground	6, 12
Output	5	Others	Ground

Dimensions shown are nominal in millimeters

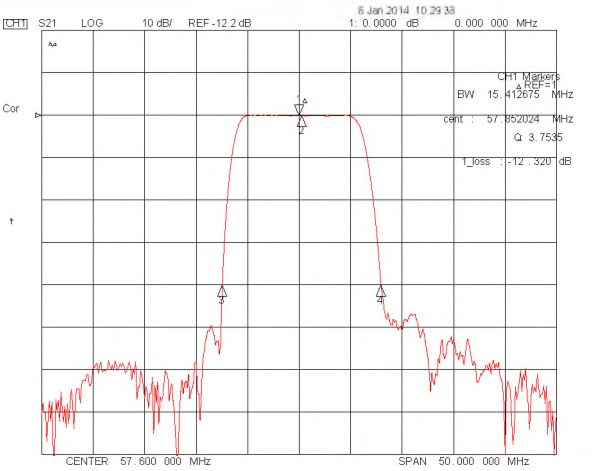
Body : Al_2O_3
Lid : Kovar, Ni Plated
Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

3. Typical Performance (at +25℃)

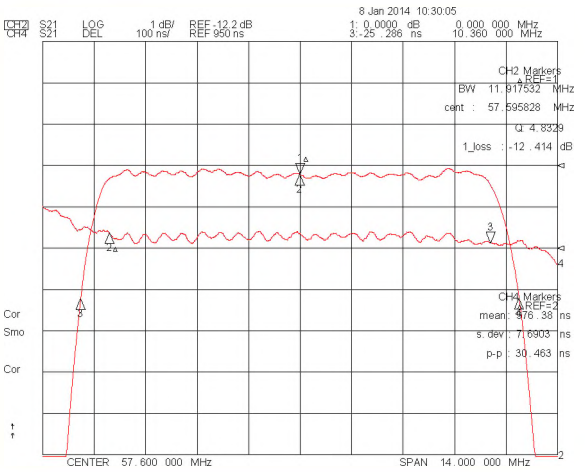
1dB Bandwidth & Ripple



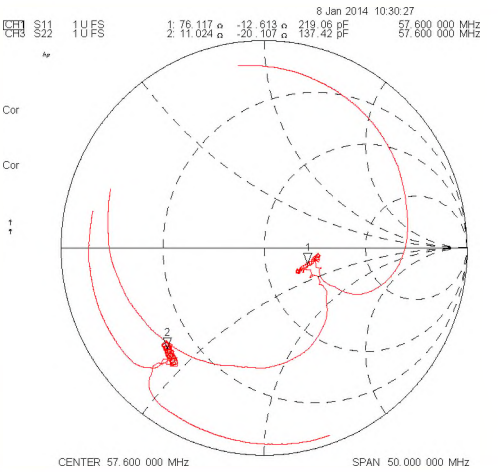
40dB Bandwidth



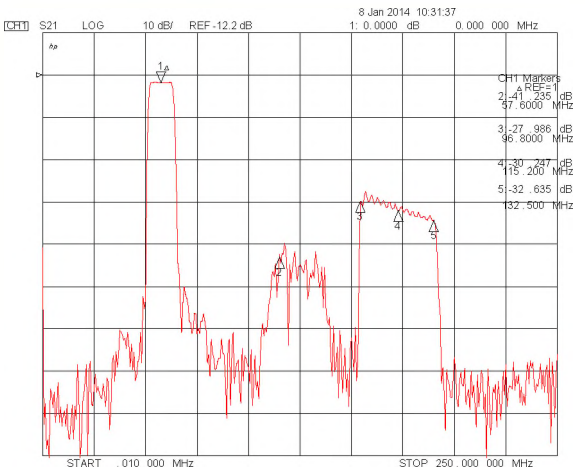
3dB Bandwidth & Group Delay



Smith Chart(S11 & S22)



Wide band Properties



SWR(S11 & S22)