110.0 MHz SAW Filter

Part Number 250962B

1. Features

- Typical 1dB bandwidth of 9.2 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

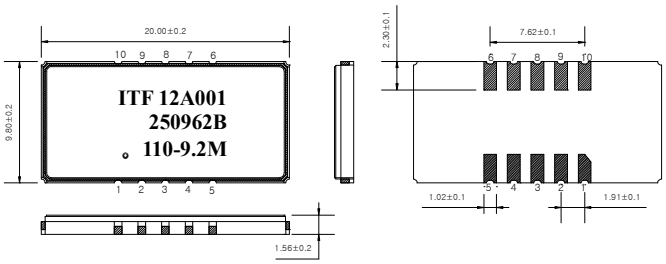
Tested by SGS Testing Korea

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	110.0	-
Insertion Loss	dB	-	28.0	30.0
1dB Bandwidth	MHz	9.1	9.25	-
3dB Bandwidth	MHz	-	9.44	-
20dB Bandwidth	MHz	-	10.05	-
40dB Bandwidth	MHz	-	10.42	10.55
Amplitude Ripple (fo ± 4.51 MHz)	dB	-	0.57	1.5
Group Delay Variation (fo ± 4.51 MHz)	nsec	-	110	200
Absolute Delay	usec	-	2.32	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Relative Attenuation @edge ± 0.555MHz	dBc	-	23	-

@Edge : 9.02MHz

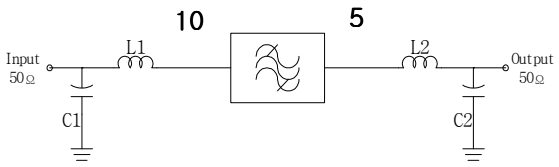
S2098 Package Dimension



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

Matching Schematic



L1 = 47nH, L2 = 68nH, C1 = 20nH, C2 = 30pF

Pin Configuration			
Input	**10**	**Ground**	**1,6**
Output	**5**	**Others**	**Ground**

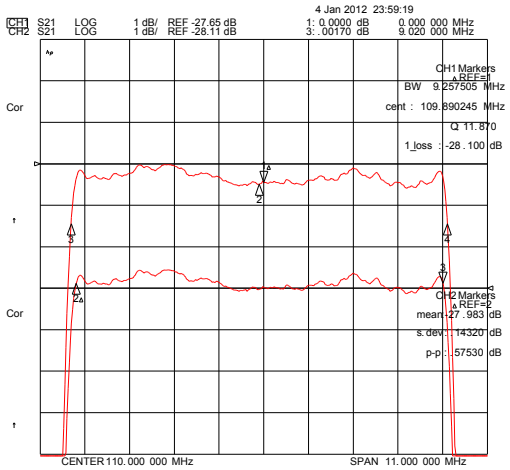
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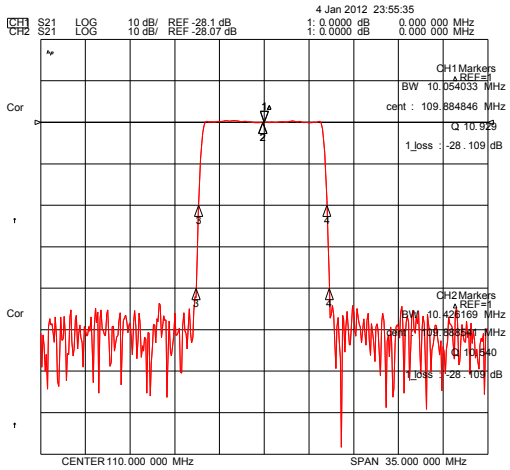
2013. 03. 27
Rev 1.0

3. Typical Performance (at +25℃)

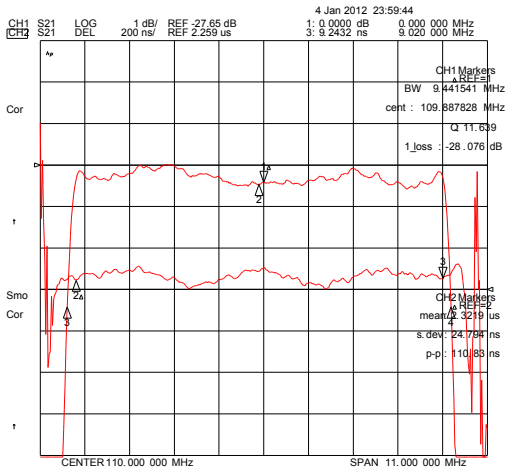
1dB Bandwidth & Ripple



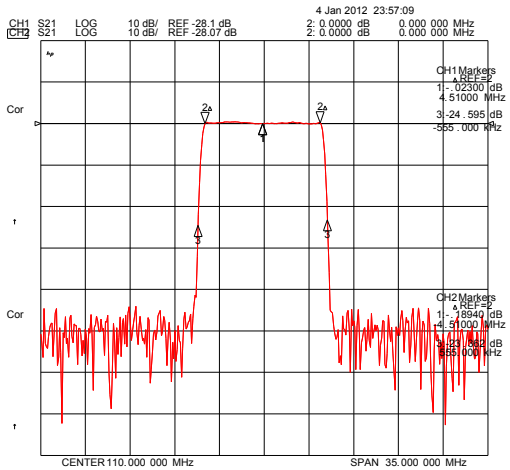
20dB Bandwidth & 40dB Bandwidth



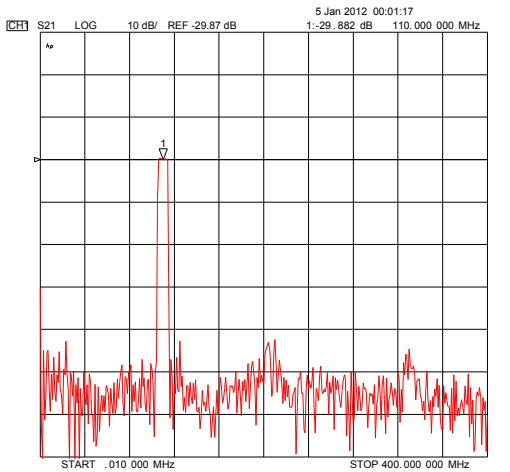
3dB Bandwidth & Group Delay



Relative Attenuation



Wideband Properties



SWR(S11 & S22)

