155.0 MHz SAW Filter

Part Number 250965B

1. Features

- Typical 1dB bandwidth of 9.3 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

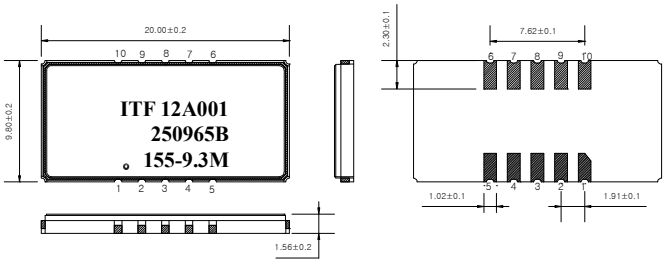
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	155.0	-
Insertion Loss	dB	-	27.6	29.5
1dB Bandwidth	MHz	9.2	9.36	-
3dB Bandwidth	MHz	-	9.57	-
20dB Bandwidth	MHz	-	10.2	-
40dB Bandwidth	MHz	-	10.54	10.7
Amplitude Ripple (fo ± 4.51 MHz)	dB	-	0.62	1.2
Group Delay Variation (fo ± 4.51 MHz)	nsec	-	80	150
Absolute Delay	usec	-	2.24	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Relative Attenuation @edge ± 0.555MHz	dBc	-	15	-

@Edge : 9.02MHz

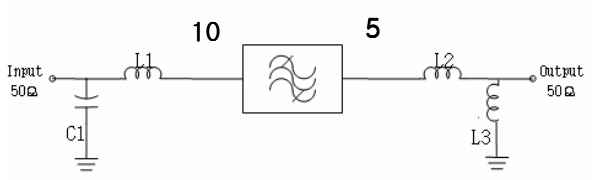
S2098 Package Dimension



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 = 22nH, L2 = 10nH, L3 = 39nH, C1 = 36pF

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

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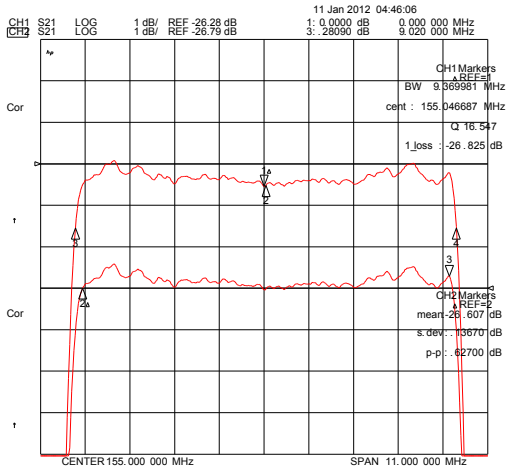
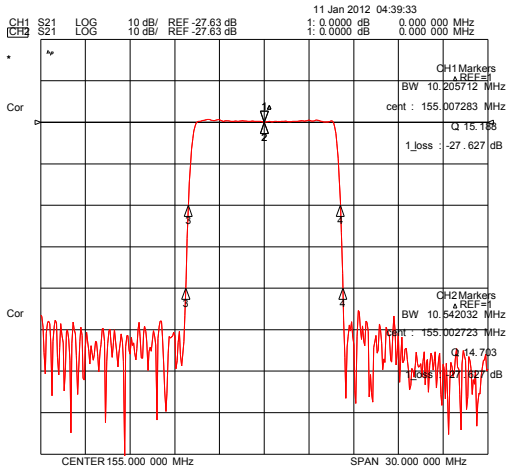
Rev 1.0

3. Typical Performance (at +25℃)

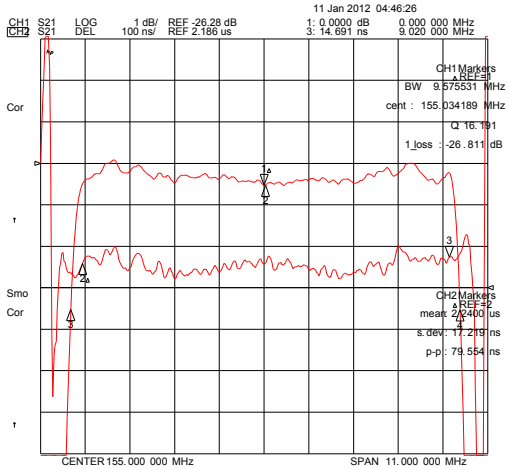
1dB Bandwidth & Ripple



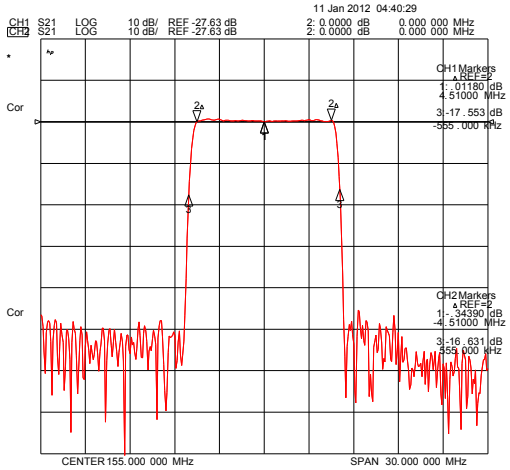
20dB Bandwidth & 40dB Bandwidth



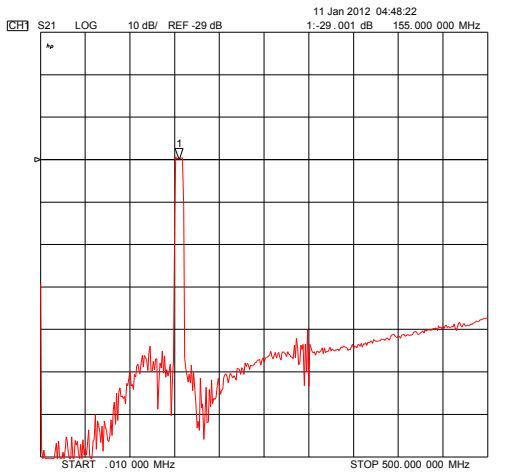
3dB Bandwidth & Group Delay



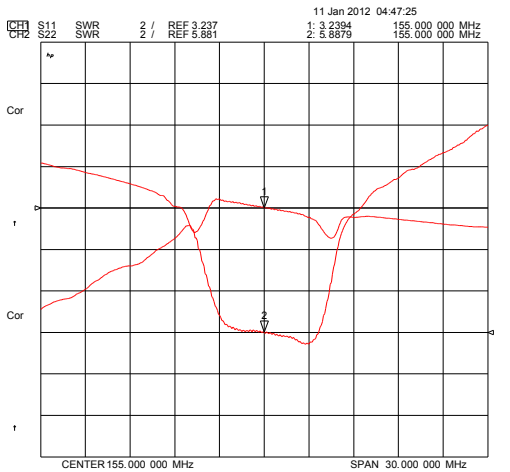
Relative Attenuation



Wideband Properties



SWR(S11 & S22)



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