162.51 MHz SAW Filter

Part Number 250519B

1. Features

- Typical 1dB bandwidth of 5.1 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

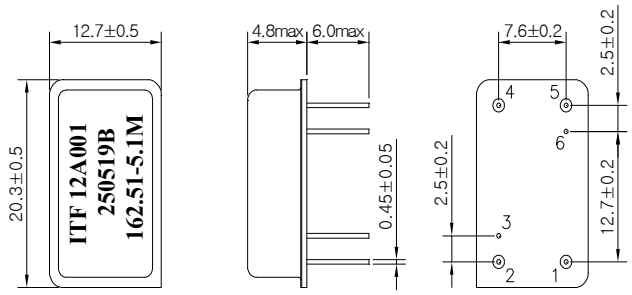
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	162.51	-
Insertion Loss	dB	-	24.0	25.5
1dB Bandwidth	MHz	5.0	5.11	-
3dB Bandwidth	MHz	-	5.33	-
20dB Bandwidth	MHz	-	6.01	-
40dB Bandwidth	MHz	-	6.42	6.55
Amplitude Ripple (fo ± 2.46 MHz)	dB	-	0.55	1.5
Group Delay Variation (fo ± 2.46 MHz)	nsec	-	130	300
Absolute Delay	usec	-	2.17	-
Ultimate Rejection	dB	40	48	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Relative Attenuation @edge ± 0.555MHz	dBc	-	20	-

@Edge : 4.92MHz

D2012 Package Dimension

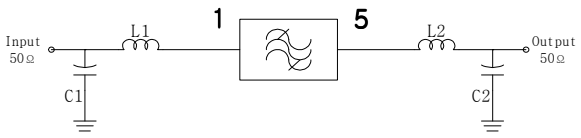


Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated
Cap : Cu & Cr Alloy, Ni Plated

Termination : Kovar, Au Plated

Matching Network Configuration



L1 = 18nH, L2 = 18nH

C1 = 22pF, C2 = 30pF

Pin Configuration			
Input	**1**	**Ground**	**2,4**
Output	**5**	**Others**	**Ground**

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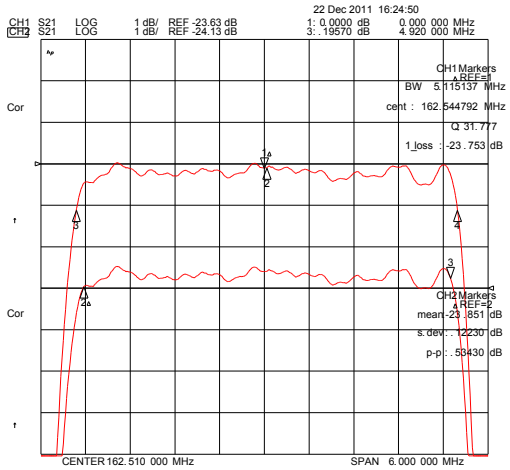
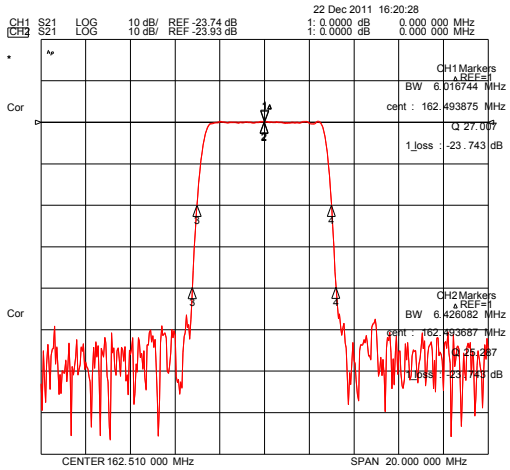
2013. 03. 29
Rev 1.0

3. Typical Performance (at +25℃)

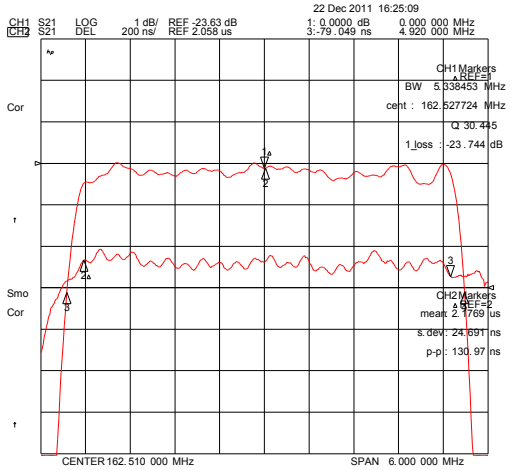
1dB Bandwidth & Ripple



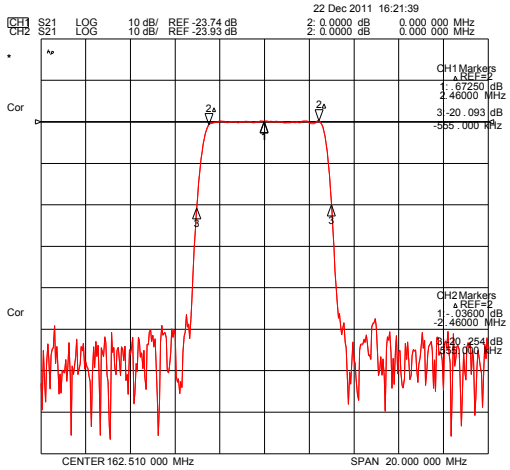
20dB Bandwidth & 40dB Bandwidth



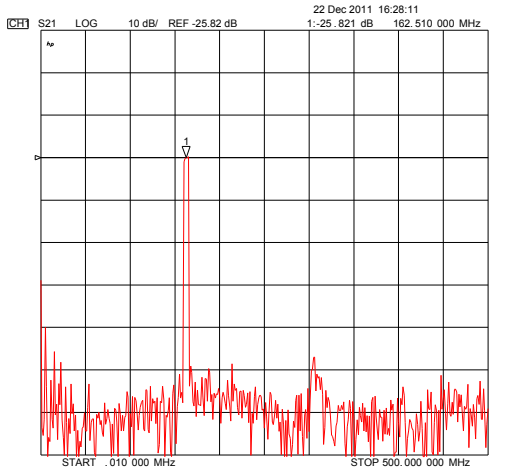
3dB Bandwidth & Group Delay



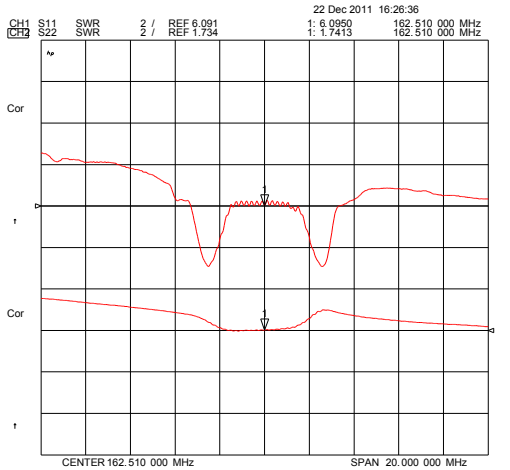
Relative Attenuation



Wide band Properties



SWR(S11 & S22)



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