50.0 MHz SAW Filter
Part Number 210501B

1. Features

- Typical 1dB bandwidth of 4.7 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

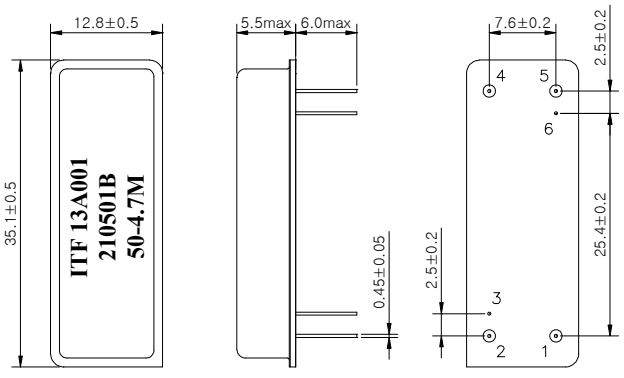
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	50.0	-
Insertion Loss	dB	-	26.5	28.0
1dB Bandwidth	MHz	4.6	4.75	-
3dB Bandwidth	MHz	-	5.03	-
40dB Bandwidth	MHz	-	6.09	6.25
Amplitude Ripple (fo ± 2.2 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 2.2 MHz)	nsec	-	60	200
Absolute Delay	usec	-	3.95	4.0
Ultimate Rejection	dB	50	52	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-

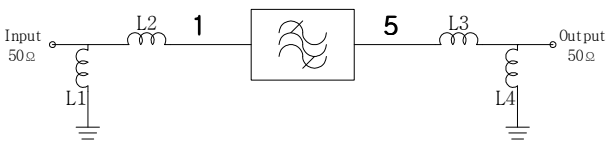
D3512 Package Dimension



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 Schematic



L1 = L4 = 150nH, L2 = L3 = 120nH

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

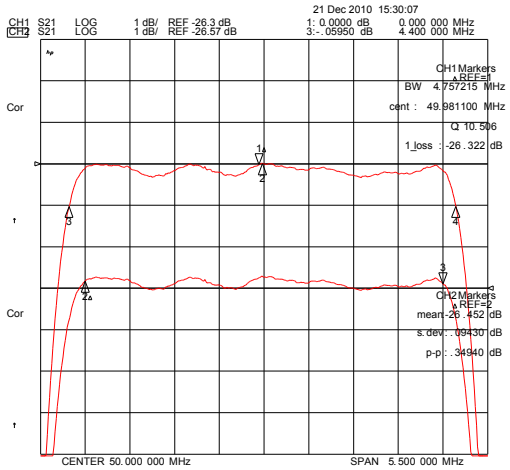
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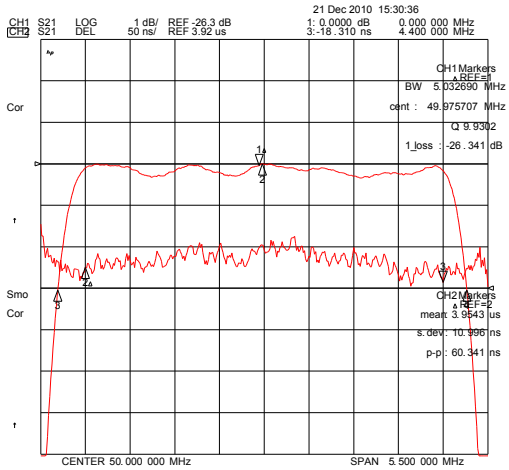
2013. 03. 25
Rev 1.0

3. Typical Performance (at +25℃)

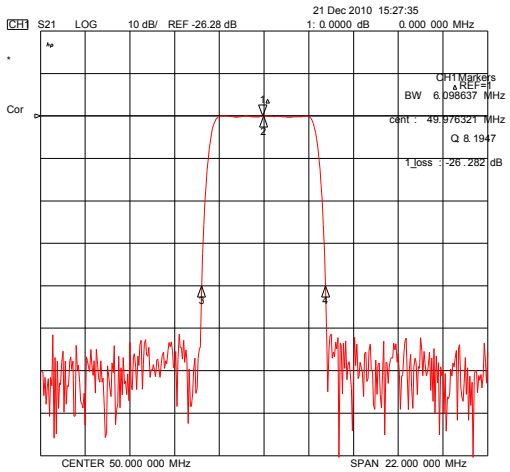
1dB Bandwidth & Ripple



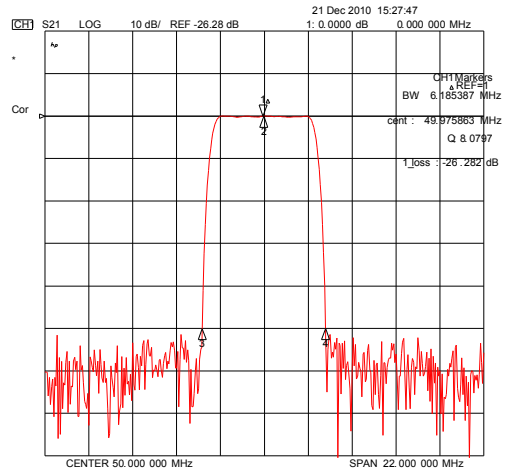
3dB Bandwidth & Group Delay



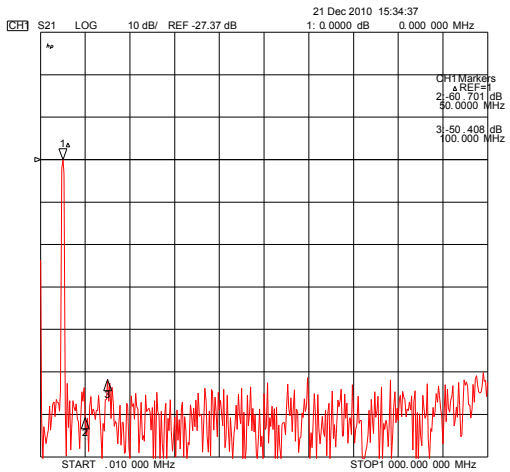
40dB Bandwidth



50dB Bandwidth



Wide band Properties



SWR(S11 & S22)

