105.0 MHz SAW Filter
Part Number 251208B

1. Features

- Typical 1dB bandwidth of 12.0 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

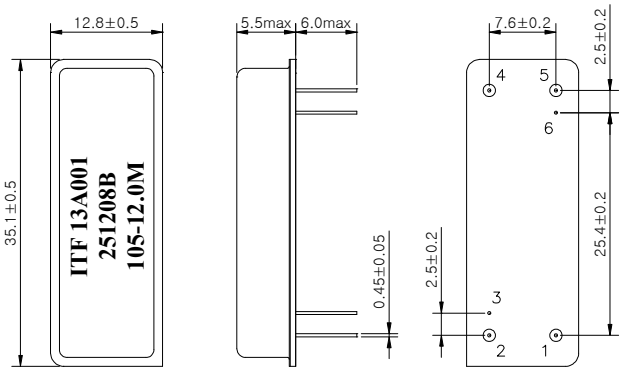
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	105.0	-
Insertion Loss	dB	-	28.4	30.0
1dB Bandwidth	MHz	11.9	12.0	-
3dB Bandwidth	MHz	12.1	12.18	-
40dB Bandwidth	MHz	-	12.84	13.0
Amplitude Ripple (fo ± 5.9 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 5.9 MHz)	nsec	-	60	110
Absolute Delay	usec	-	4.95	-
Ultimate Rejection	dB	43	48	-
Out of Bandgain (Fo±5.9MHz) ± 400 kHz	dB	-	16.5	
Temperature Coefficient of Frequency	ppm/℃	-	-18	-

Input Power :+10dBm

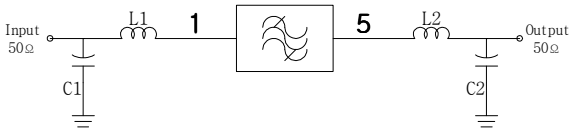
D3512 Package Dimension



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 = L2 = 68nH, C1 = C2 = 68pF

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

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Gyounggi-Do, Korea 421-809

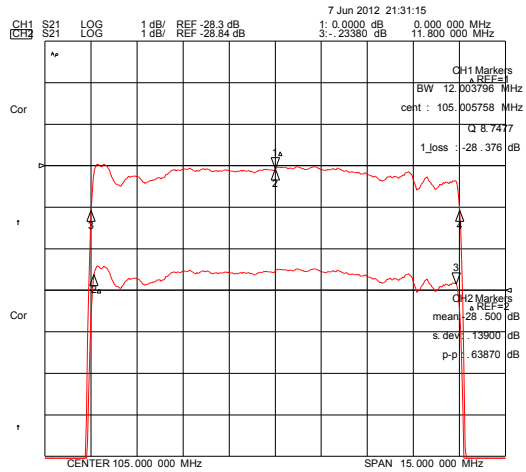
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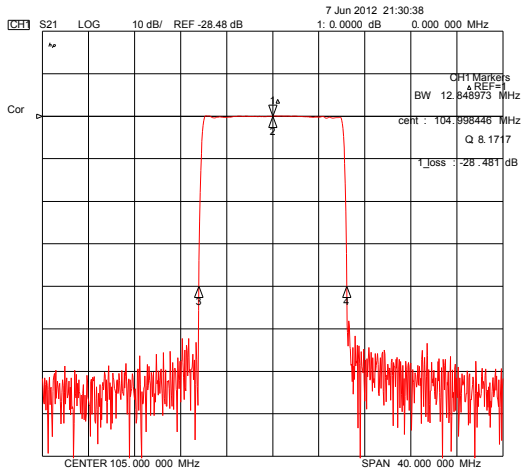
2013. 04. 01
Rev 1.0

3. Typical Performance (at +25℃)

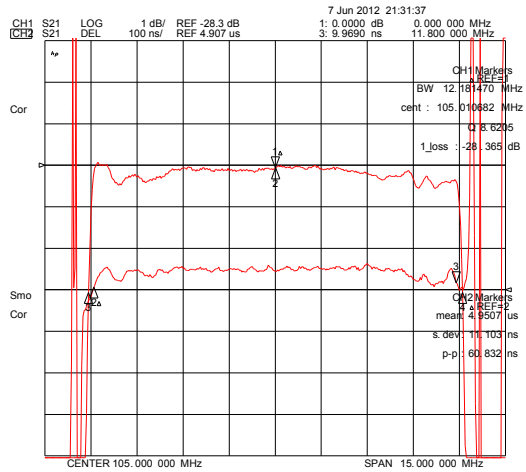
1dB Bandwidth & Ripple



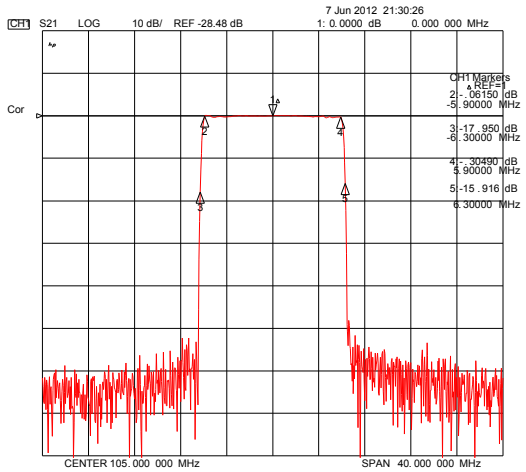
40dB BandWidth



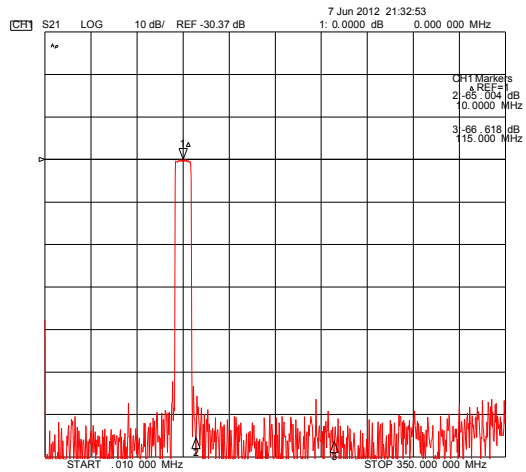
3dB Bandwidth & Group Delay



Out of Bandgain



Wide band Properties



SWR(S11 & S22)

