218.0 MHz SAW Filter

Part Number 260907B

1. Features

- Typical 1dB bandwidth of 9.3 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

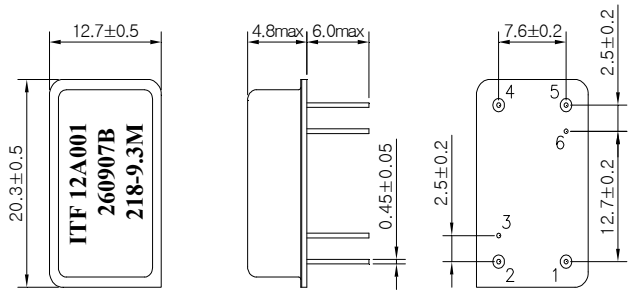
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	218.0	-
Insertion Loss	dB	-	29.7	31.5
1dB Bandwidth	MHz	9.15	9.33	-
3dB Bandwidth	MHz	-	9.5	-
20dB Bandwidth	MHz	-	10.1	10.2
40dB Bandwidth	MHz	-	10.40	-
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	0.63	1.2
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	96	200
Absolute Delay	usec	-	2.11	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/℃^{2}	-	-0.03	-

D2012 Package Dimension

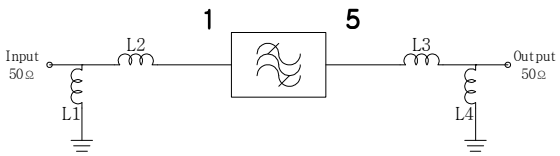


Dimensions shown are nominal in millimeters

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

Termination : Kovar, Au Plated

Matching Network Configuration



L1 = 12nH, L2 = 10nH

L3 = 33nH, L4 = 18nH

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

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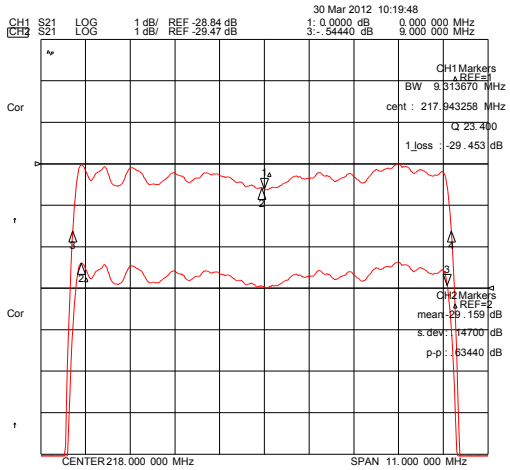
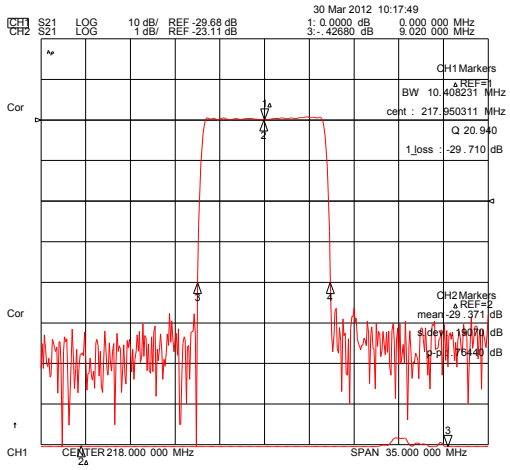
Rev 1.0

3. Typical Performance (at +25℃)

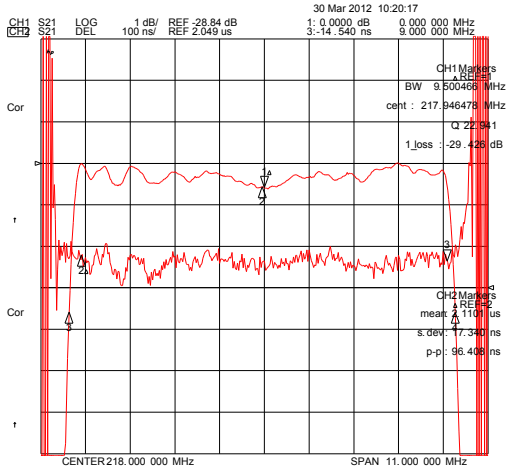
1dB Bandwidth & Ripple



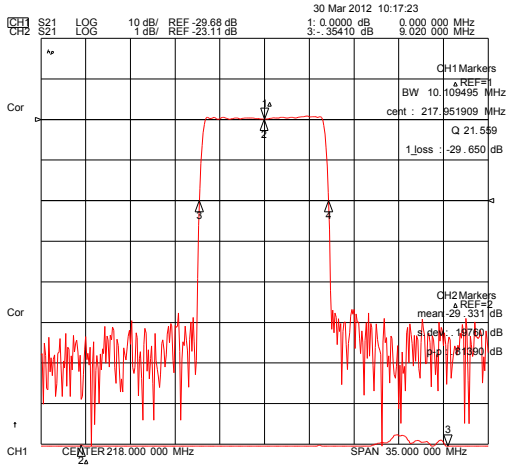
40dB Bandwidth



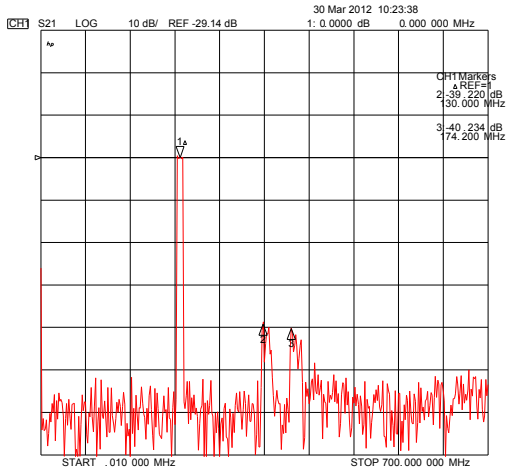
3dB Bandwidth & Group Delay



20dB Bandwidth



Wide band Properties



SWR(S11 & S22)