74.76 MHz SAW Filter
Part Number 231601B

1. Features

- Typical 1dB bandwidth of 15.6 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

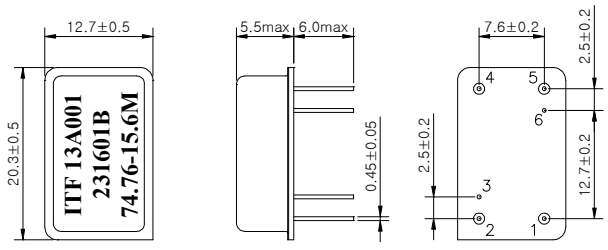
2. Electrical Specifications

Source and Load Impedance = 50Ω

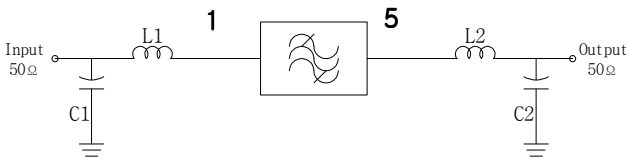
Operating Temperature : -30℃ ~ +85℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	74.76	-
Insertion Loss	dB	-	20.5	22.0
1dB Bandwidth	MHz	15.50	15.62	-
3dB Bandwidth	MHz	-	16.0	-
40dB Bandwidth	MHz	-	17.71	17.85
Amplitude Ripple (Fo±7.24MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo±7.24MHz)	nsec	-	40	80
Absolute Delay	usec	-	1.95	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	**ppm/℃**	-	-72	-

Room Temperature : +25℃		Minimum	Typical	Maximum
Insertion Loss	dB	-	20.5	22.0
Amplitude Ripple (Fo±7.55MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo±7.55MHz)	nsec	-	40	80

D2012 Package Dimension



Matching Schematic



L1 = 100nH, L2 = 120nH, C1 = C2 = 10pF

Dimensions shown are nominal in millimeters

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

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

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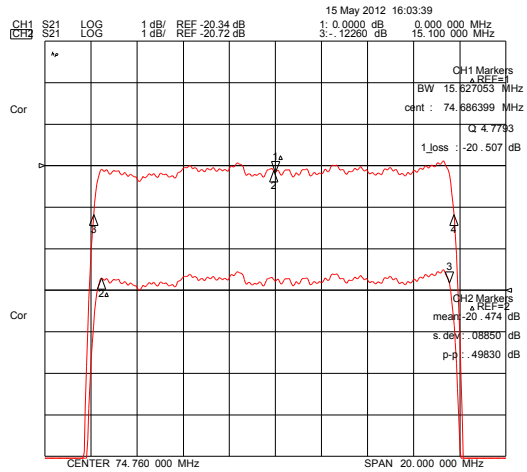
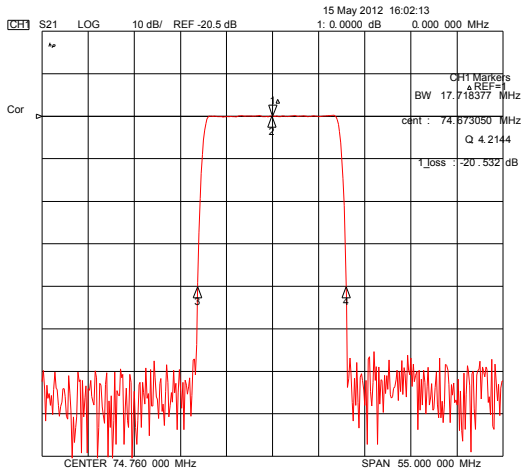
2013. 03. 07
Rev 1.0

3. Typical Performance (at +25℃)

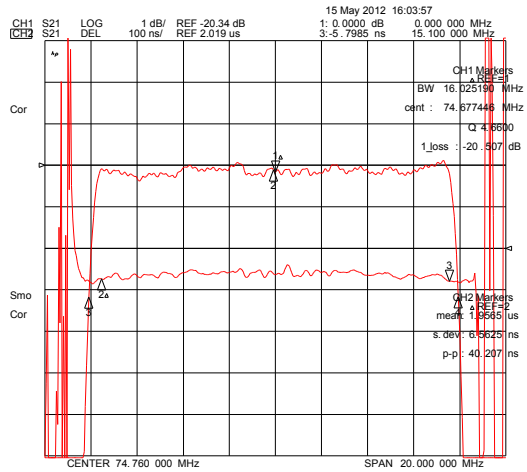
1dB Bandwidth & Ripple



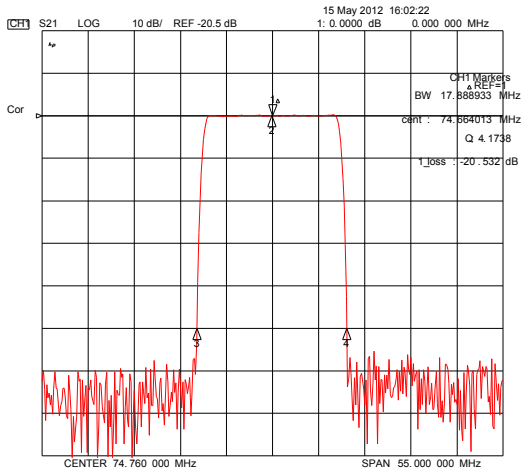
40dB Bandwidth



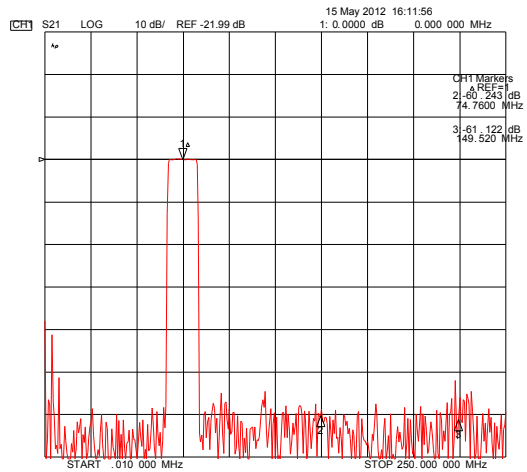
3dB Bandwidth & Group Delay



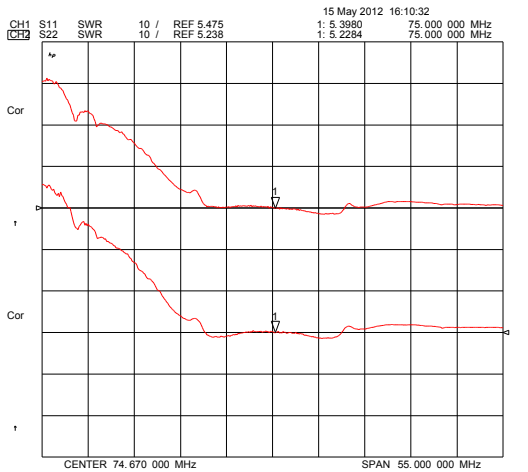
50dB Bandwidth



Wide band Properties



SWR(S11 & S22)



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