75.0 MHz SAW Filter
Part Number 232905B

1. Features

- Typical 1dB bandwidth of 29.6 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

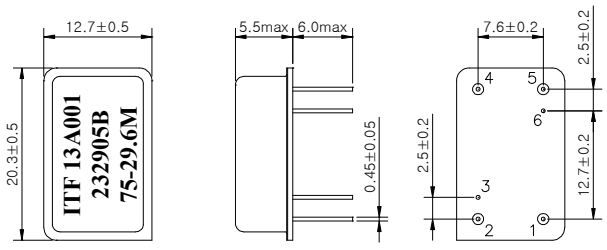
2. Electrical Specifications

Source and Load Impedance = 50Ω

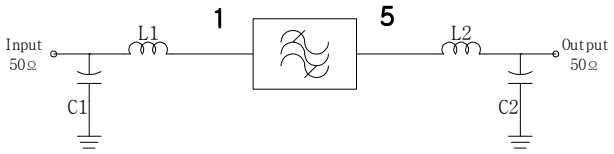
Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	25.3	27.5
1dB Bandwidth	MHz	29.4	29.63	-
3dB Bandwidth	MHz	-	29.95	-
40dB Bandwidth	MHz	-	31.59	31.7
Amplitude Ripple1 (fo ± 14.5 MHz)	dB	-	0.55	1.0
Amplitude Ripple2 (60.5 ~ 66.5MHz)	dB	-	0.45	0.7
Group Delay Variation (fo ± 14.5 MHz)	nsec	-	25	50
Absolute Delay	usec	-	1.95	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/℃	-	-72	-

Input POWER : +10dBm

D2012 Package Dimension



Matching Schematic



L1 = 150nH, L2 = 180nH, C1 = 11pF, C2 = 11pF

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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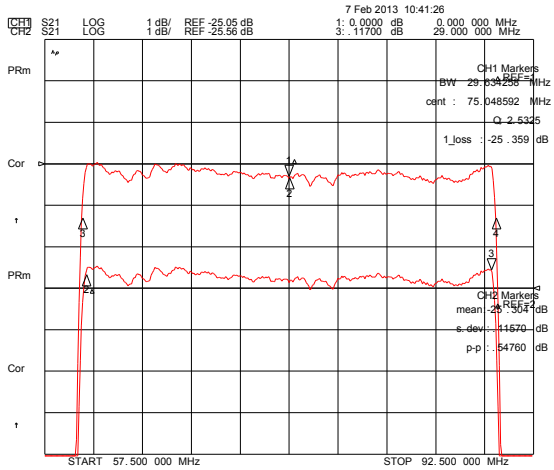
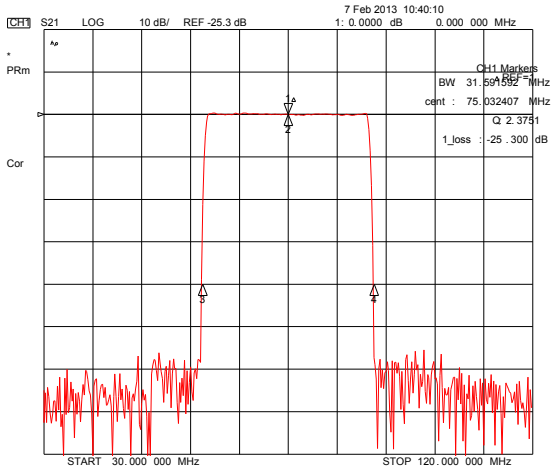
Rev 3.0

3. Typical Performance (at +25℃)

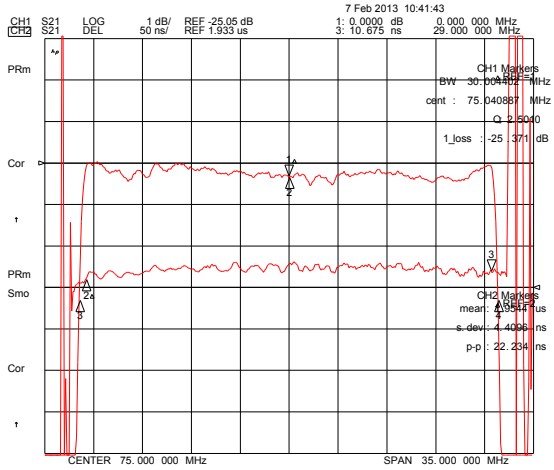
1dB Bandwidth & Ripple 1



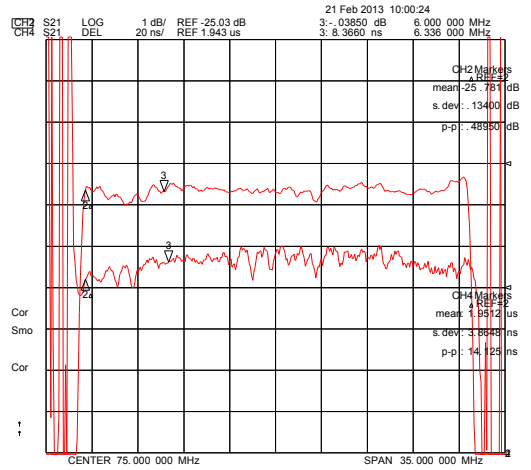
40dB Bandwidth



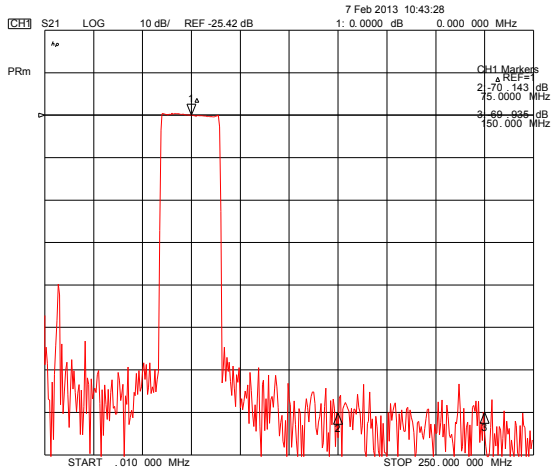
3dB Bandwidth & Group Delay



Ripple 2



Wideband Properties



SWR(S11 & S22)