

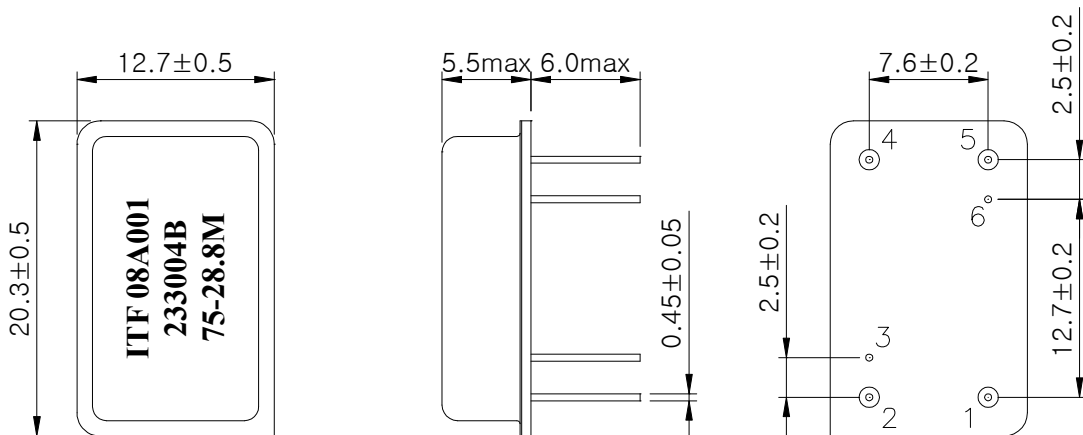
SAW Bandpass Filter 233004B



1. Features

- IF bandpass filter
- High attenuation
- Single-ended operation
- DIP Package
- Maximum Storage Temperature Range : -40°C ~ 85°C
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Package : D2012

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	
1	Input
5	Output
2, 4	Ground
3, 6	Case ground

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	233004B	
		Rev. Date	2008-02-28	
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3. Specifications

Fo = 75.0 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	75.0	-
Insertion Loss	dB	-	26.0	27.5
1dB Bandwidth	MHz	28.6	28.89	-
3dB Bandwidth	MHz	-	29.94	-
40dB Bandwidth	MHz	-	34.59	34.8
Amplitude Ripple (fo±13.75 MHz)	dB	-	0.47	1.0
Group Delay Variation (fo±13.75 MHz)	nsec	-	17	50
Absolute Delay	usec	-	0.98	-
Ultimate Rejection	dB	48	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Notes :

- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

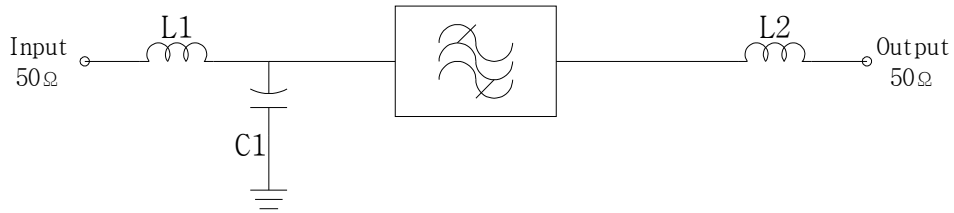
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4. Matching Schematic

(Actual matching values may vary due to PCB layout and parasitics)



L1 = 180nH, L2 = 180nH

C1 = 9pF


5. Marking Configuration

ITF¹⁾ 08A001²⁾

233004B³⁾

75⁴⁾ -28.8M⁵⁾

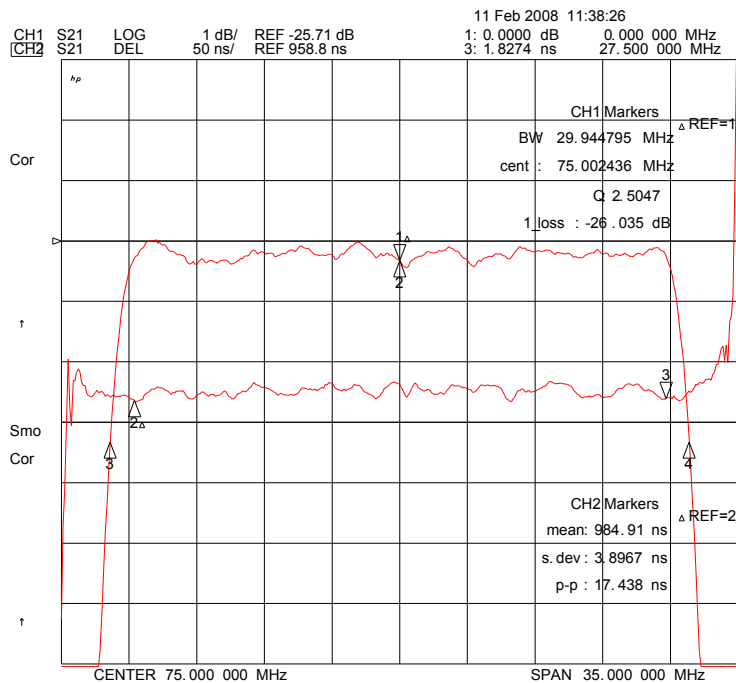
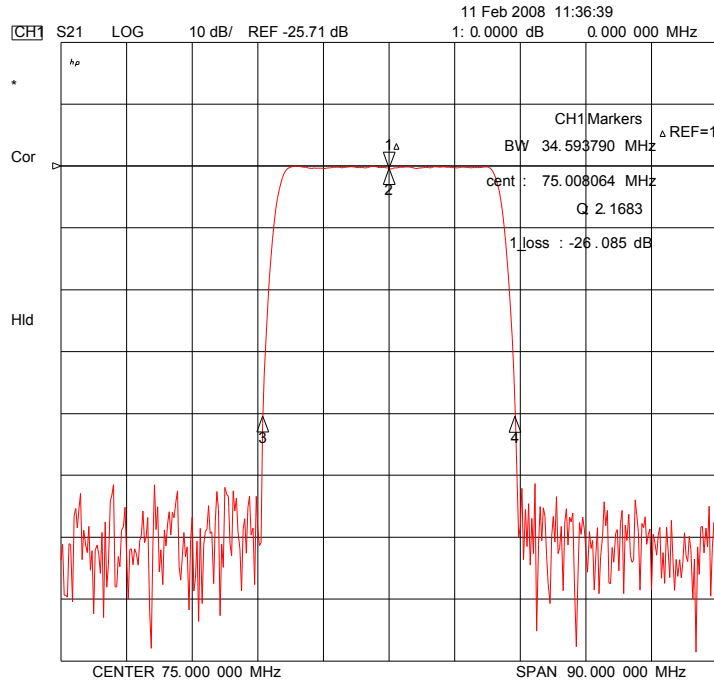
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number
- 4) Center Frequency
- 5) 1dB-Bandwidth

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6. Typical Performance (at +25°C)



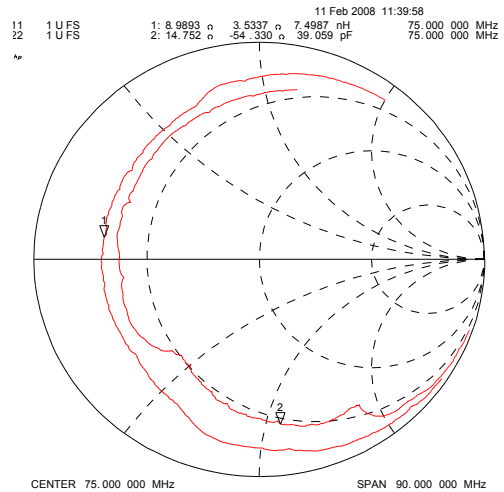
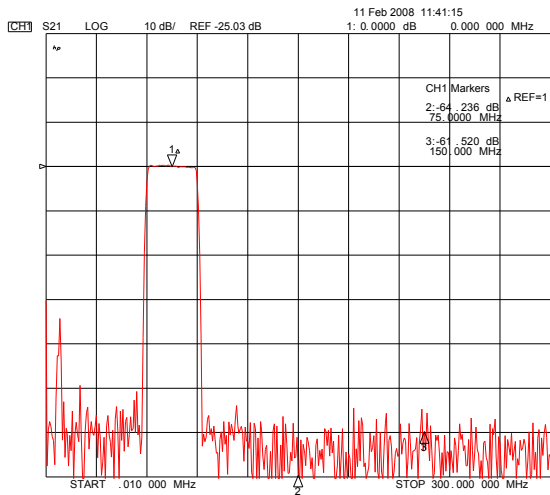
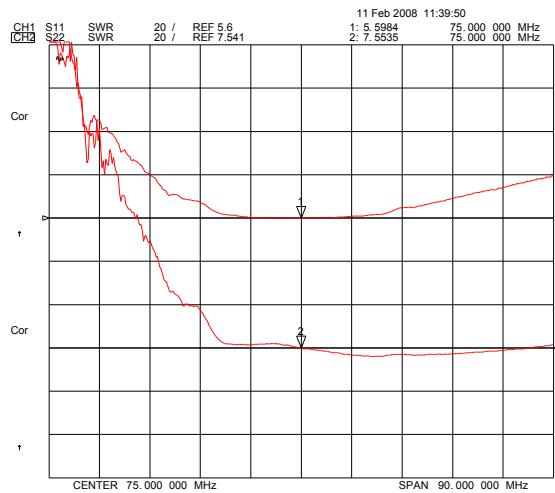
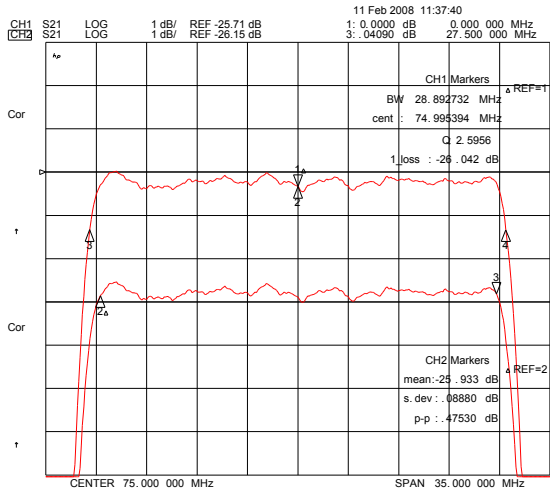
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