

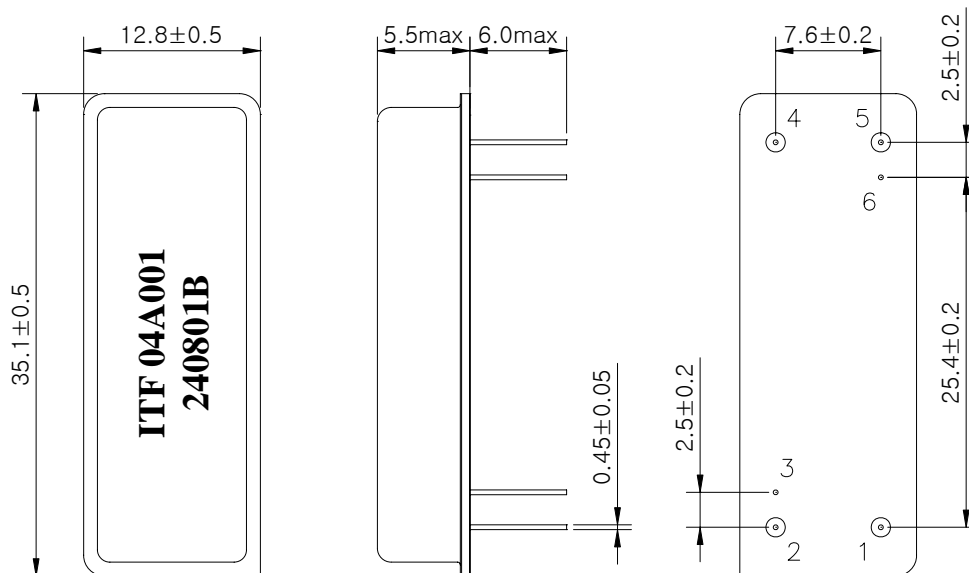
SAW Bandpass Filter 240801B



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 : D3512


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.	240801B	
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3. Specifications

Fo = 88.5 MHz

Terminating source impedance : 50Ω and matching network


Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	88.42	88.5	88.58
Insertion Loss	dB	-	21.5	23.5
1dB Bandwidth	MHz	8.0	8.35	-
3dB Bandwidth	MHz	-	8.6	-
40dB Bandwidth	MHz	-	9.65	-
45dB Bandwidth	MHz	-	9.7	9.8
Amplitude Ripple (Fo +/-3.96 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 3.96 MHz)	nsec	-	70	150
Absolute Delay	usec	-	2.96	-
Ultimate Rejection	dB	48	50	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-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

All attenuation measurements are measured relative to insertion loss

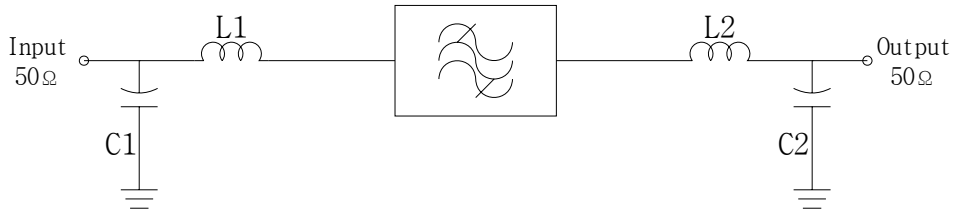
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4. Matching Schematic

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



L1 = 33 nH , L2 = 39 nH

C1 = 47 pF , C2 = 47 pF

5. Marking Configuration


ITF¹⁾ 05A001²⁾

240801B³⁾

1) Manufacturer name

2) Lot Number

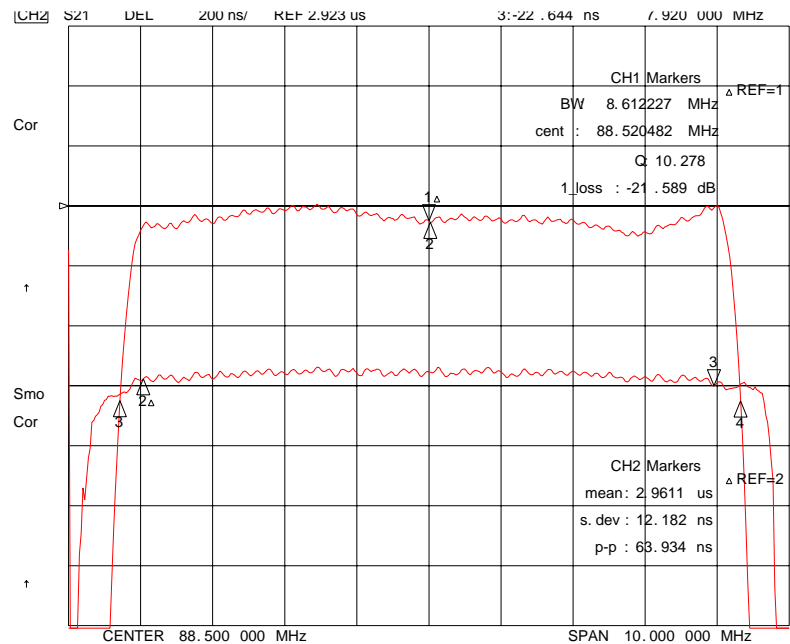
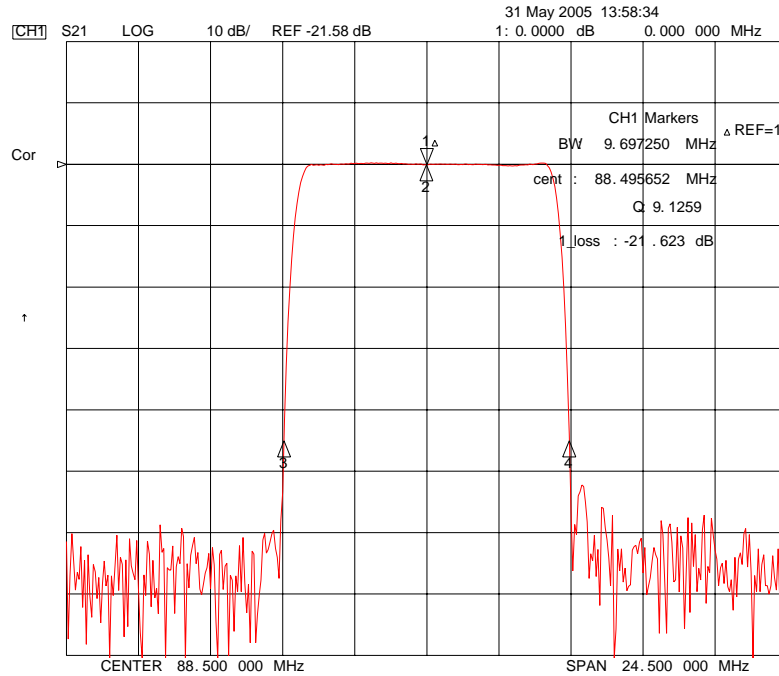
3) Part Number

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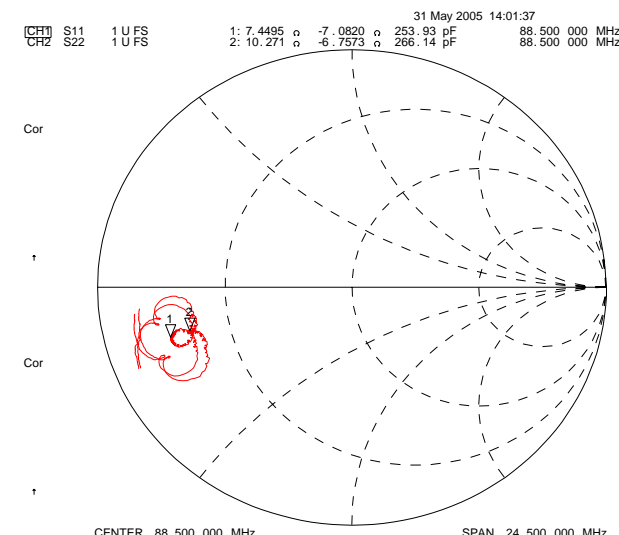
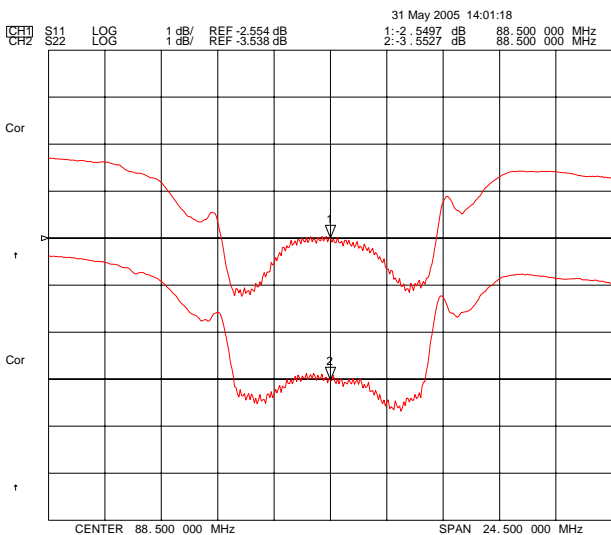
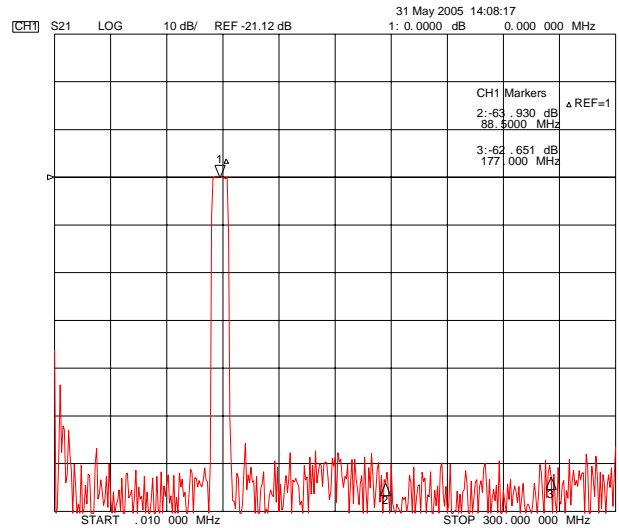
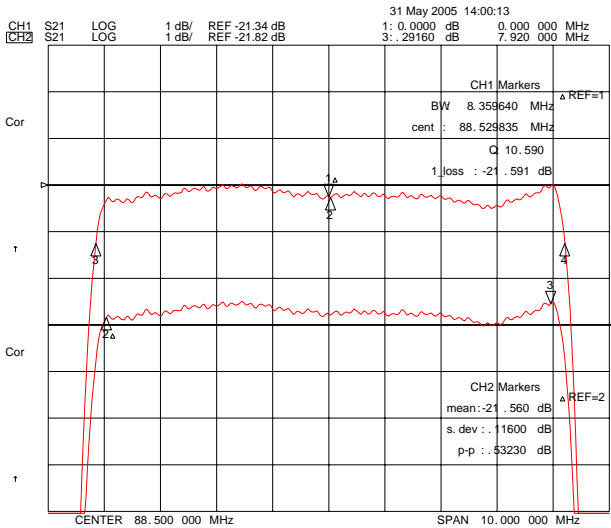
6. Typical Performance (at +25°C)



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