

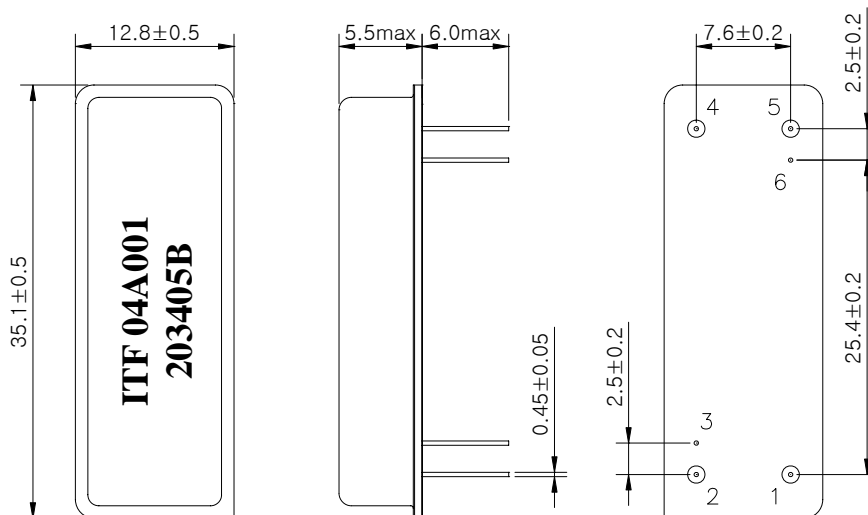
# SAW Bandpass Filter 203405B



## 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

	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203405B	
		Rev. Date	2004-04-26	
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## 3. Specifications

Fo = 80.495 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	80.445	80.495	80.545
Insertion Loss	dB	-	23.5	25.0
1dB Bandwidth	MHz	-	9.55	-
3dB Bandwidth	MHz	9.7	10.0	-
40dB Bandwidth	MHz	-	11.1	12.0
Amplitude Ripple (Fo +/- 4.4 MHz)	dB	-	1.4	1.9
Group Delay Variation (Fo +/- 4.4 MHz)	nsec	-	80	150
Absolute Delay	usec	-	2.96	-
Ultimate Rejection	dB	50	55	-
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

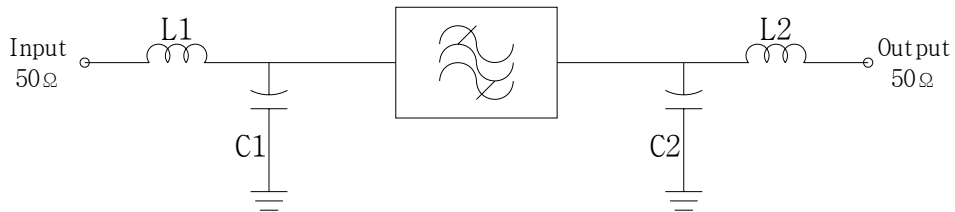
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## 4. Matching Schematic

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



L1 = 100 nH,      L2 = 47 nH

C1 = C2 = 24 pF

## 5. Marking Configuration


ITF<sup>1)</sup> 04A001<sup>2)</sup>

203405B<sup>3)</sup>

1) Manufacturer name

2) Lot Number

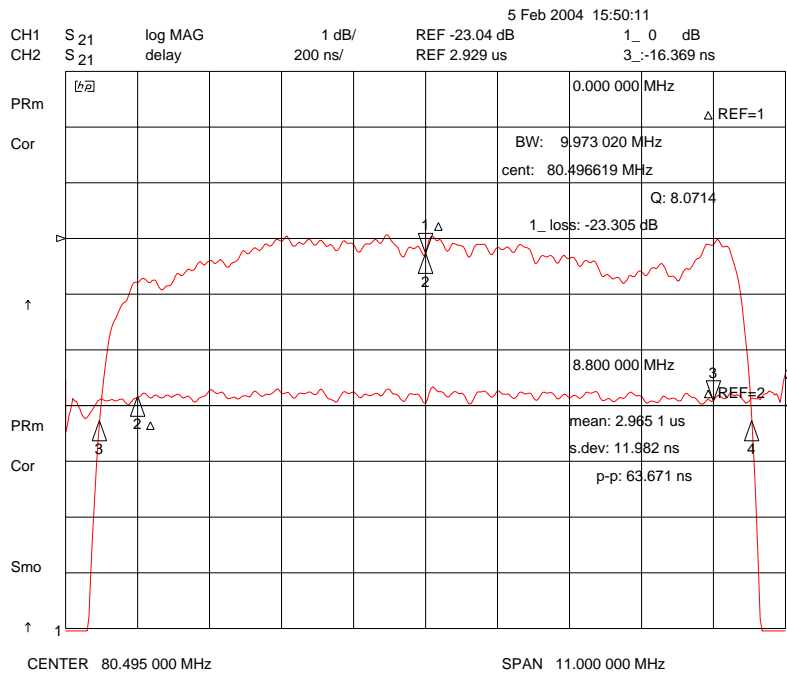
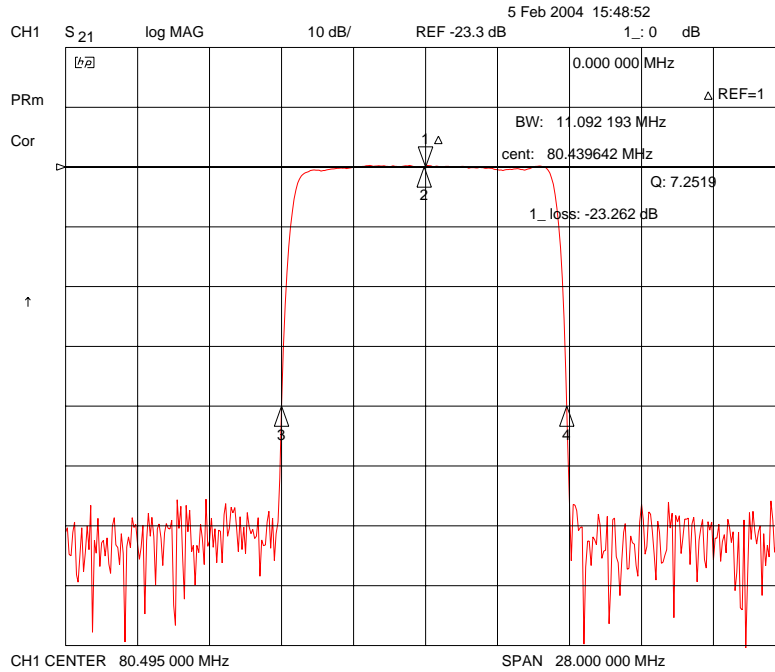
3) Part Number

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## 6. Typical Performance ( at +25°C )



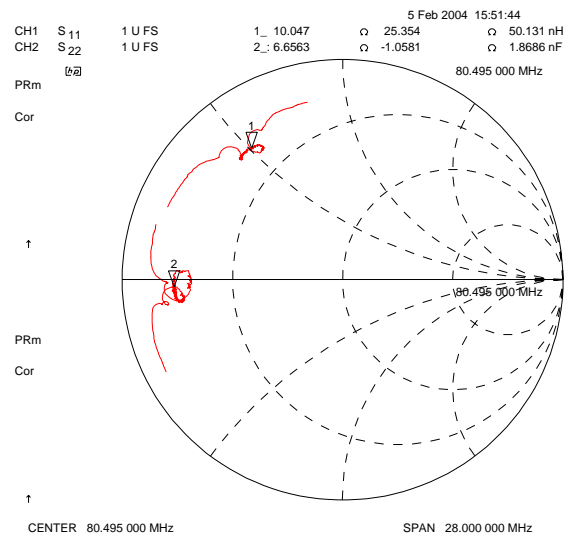
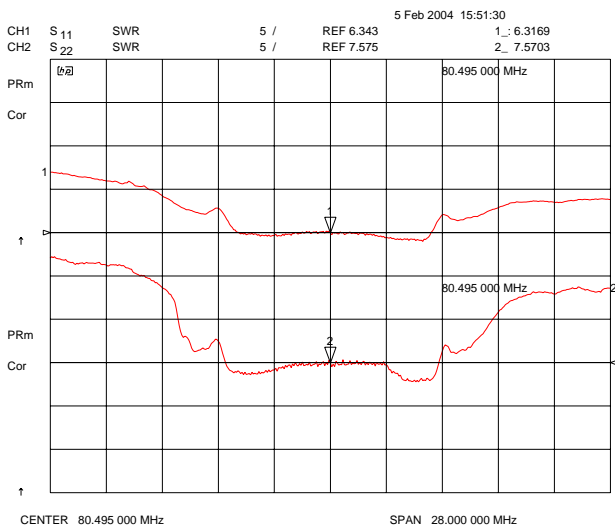
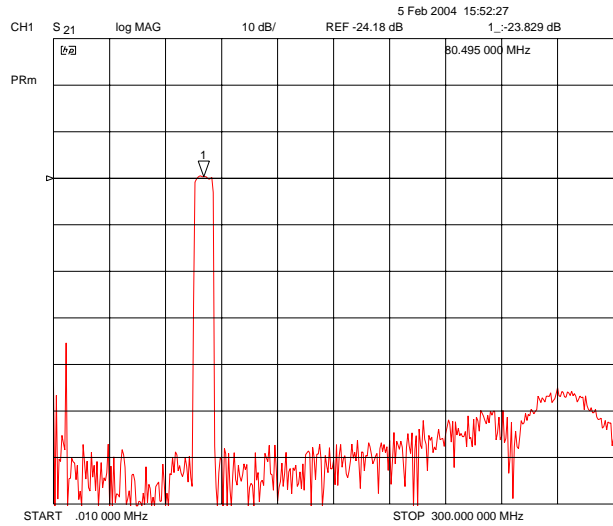
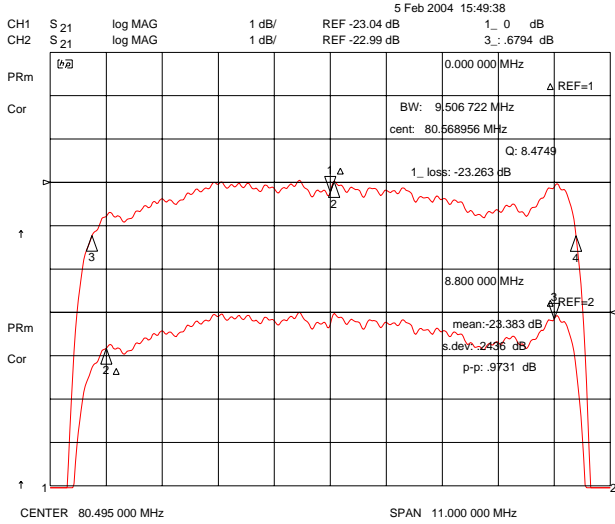
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