

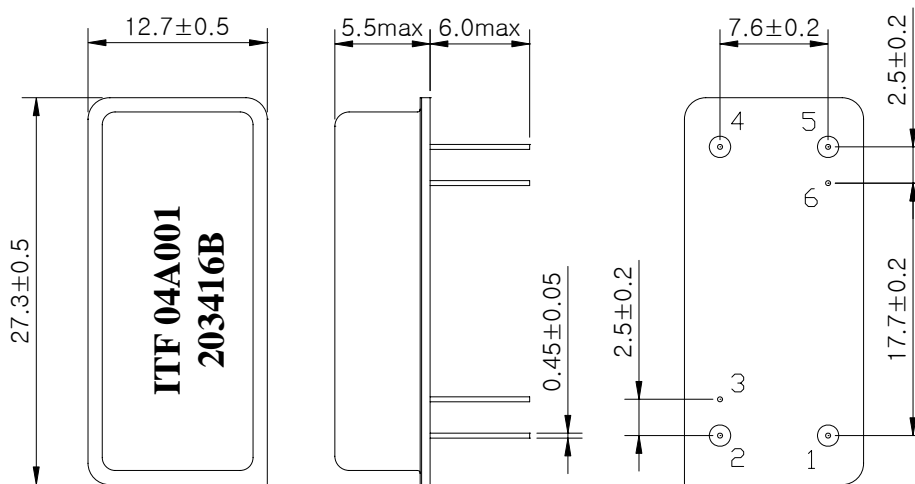
SAW Bandpass Filter 203416B



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 : D2712

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
4	Output
2, 5	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.	203416B	
		Rev. Date	2004-05-04	
		Rev.	NW3012-CS04	1/5

SAW Bandpass Filter 203416B



3. Specifications

Fo = 82.5 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	82.46	82.5	82.54
Insertion Loss	dB	-	22.5	25.0
1Db Bandwidth	MHz	1.0	1.06	-
3dB Bandwidth	MHz	-	1.25	-
40dB Bandwidth	MHz	-	2.04	2.1
Amplitude Ripple (Fo +/- 0.5 MHz)	dB	-	1.0	1.5
Group Delay Variation (Fo +/- 0.5 MHz)	nsec	-	150	250
Absolute Delay	usec	-	3.37	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

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
- 3) All attenuation measurements are measured relative to insertion loss

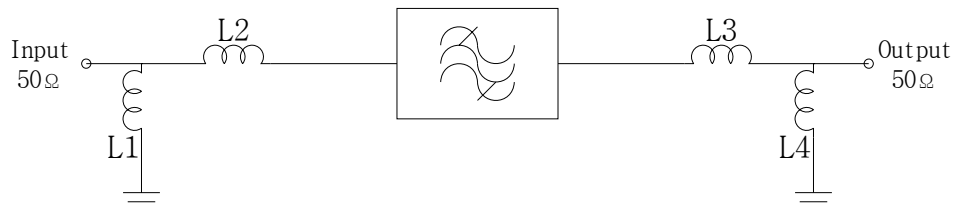
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		Rev. Date	2004-05-04	
		Rev.	NW3012-CS04	2/5

SAW Bandpass Filter 203416B



4. Matching Schematic

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



$$L1 = L4 = 56 \text{ nH}$$

$$L2 = L3 = 47 \text{ nH}$$

5. Marking Configuration


ITF¹⁾04A001²⁾

203416B³⁾

1) Manufacturer name

2) Lot Number

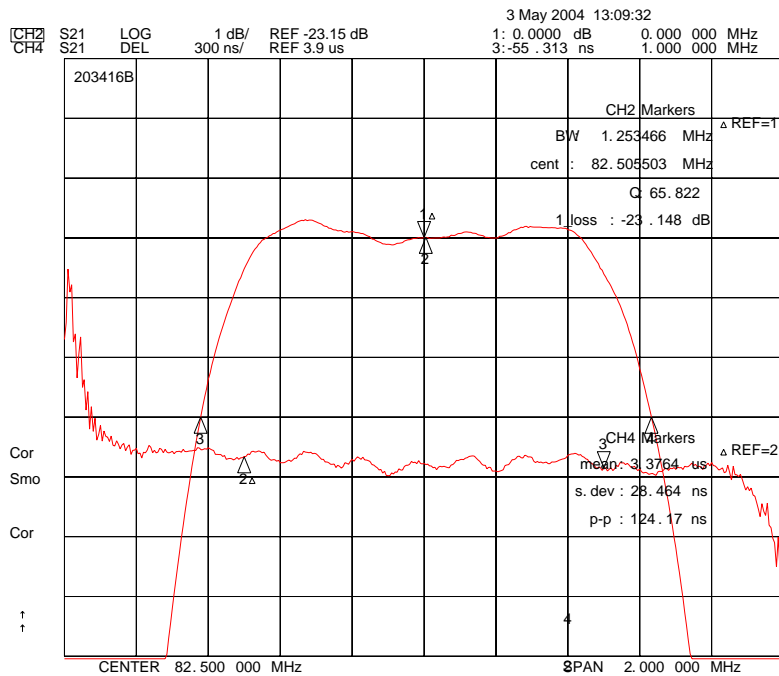
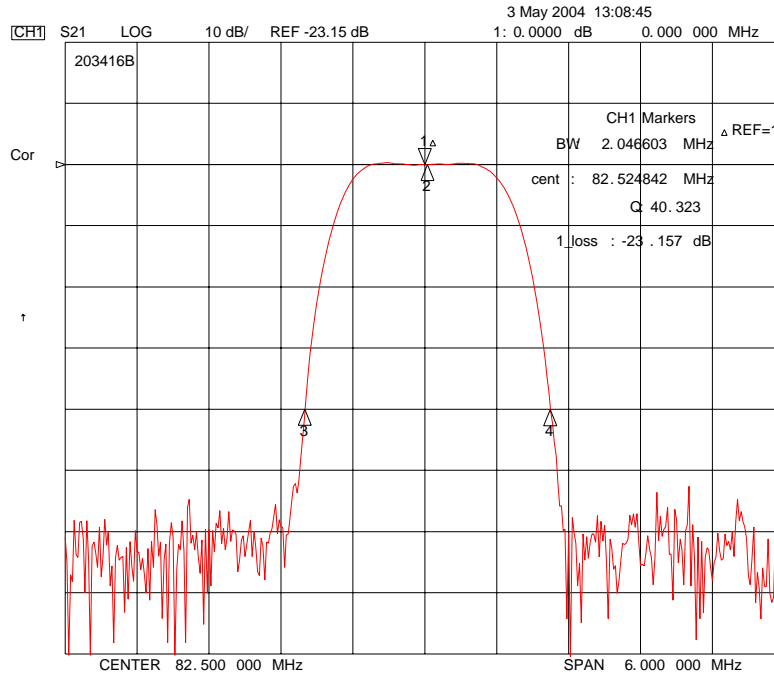
3) Part Number

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		Rev. Date	2004-05-04	
		Rev.	NW3012-CS04	3/5

SAW Bandpass Filter 203416B



6. Typical Performance (at +25°C)



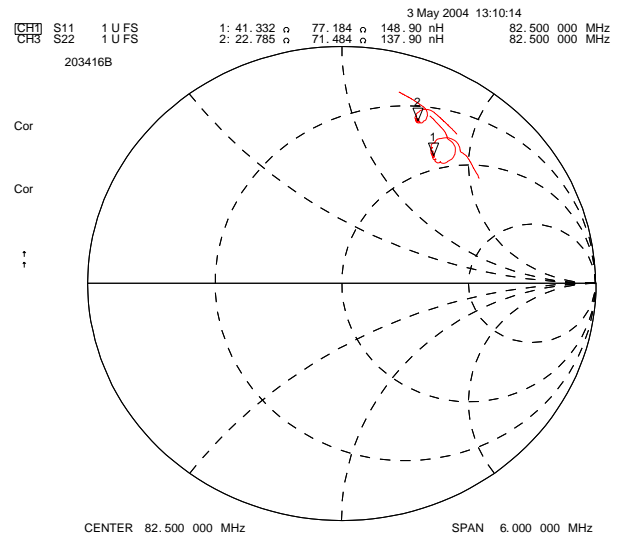
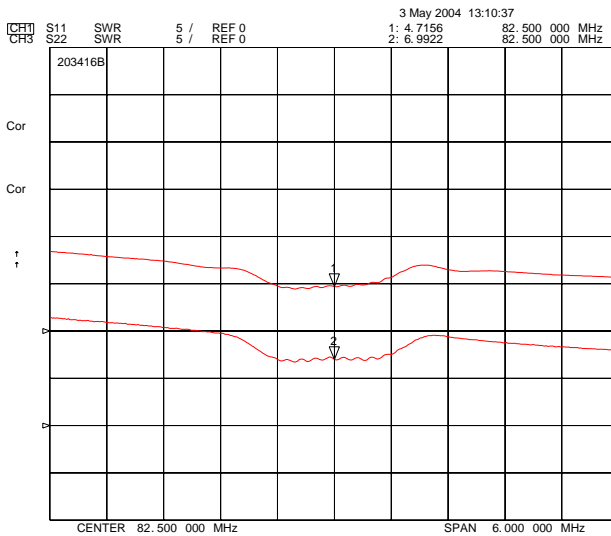
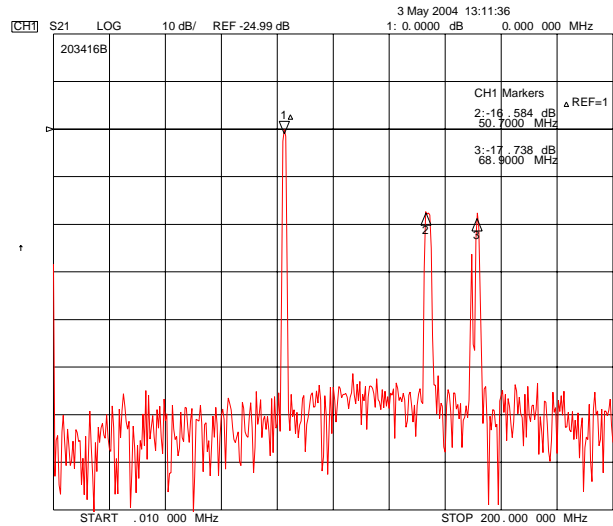
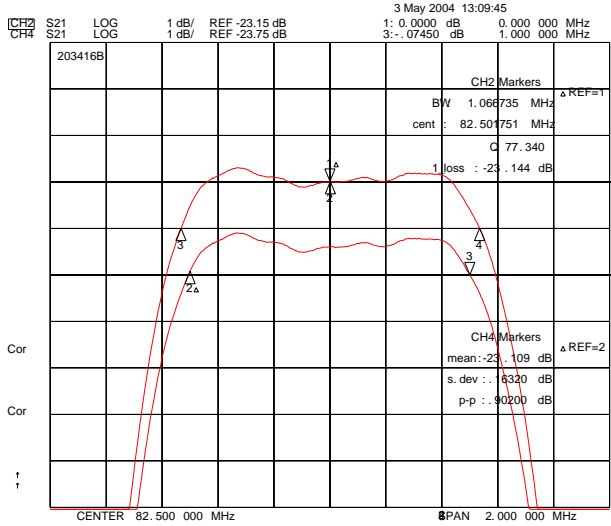
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Rev. NW3012-CS04 4/5

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Rev. Date	2004-05-04	
Rev.	NW3012-CS04	5/5