

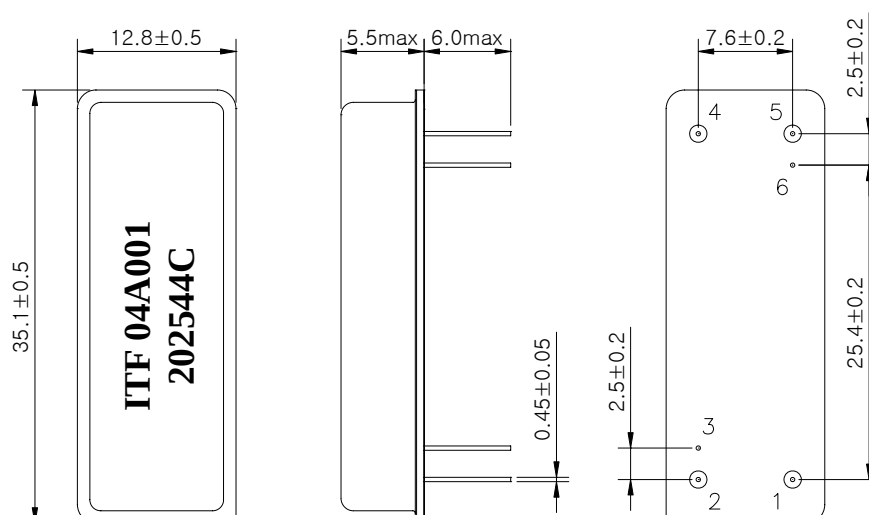
SAW Bandpass Filter 202544C



1. Features

- IF Bandpass Filter
- High Attenuation
- Single-Ended Operation
- DIP Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- 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

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	202544C
		Rev. Date	2004-05-11
		Rev.	NI2030-CS02 1/5

SAW Bandpass Filter 202544C

3. Specifications

Fo = 160.1 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	160.0	160.1	160.2
Insertion Loss	dB	-	23.5	25.0
1dB Bandwidth	MHz	18.5	19.0	-
3dB Bandwidth	MHz	19.0	19.45	-
40dB Bandwidth	MHz	-	21.1	21.3
Amplitude Ripple (Fo +/- 9.375 MHz)	dB	-	0.8	1.0
Group Delay Variation (Fo +/- 9.375 MHz)	nsec	-	50	100
Absolute Delay	usec	-	1.78	-
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

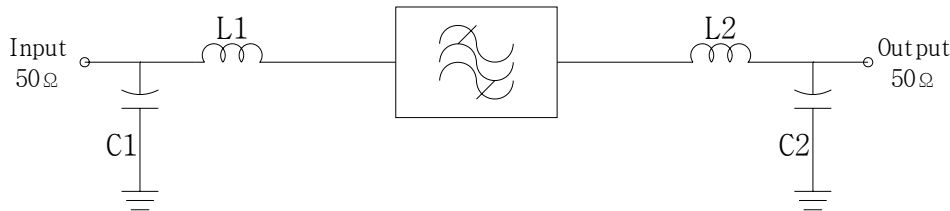
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		Rev. Date	2004-05-11	
		Rev.	NI2030-CS02	2/5

SAW Bandpass Filter 202544C



4. Matching Schematic

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



$L1 = L2 = 15\text{ nH}$

$C1 = C2 = 24\text{ pF}$

5. Marking Configuration

ITF¹⁾ 04A001²⁾
202544C³⁾

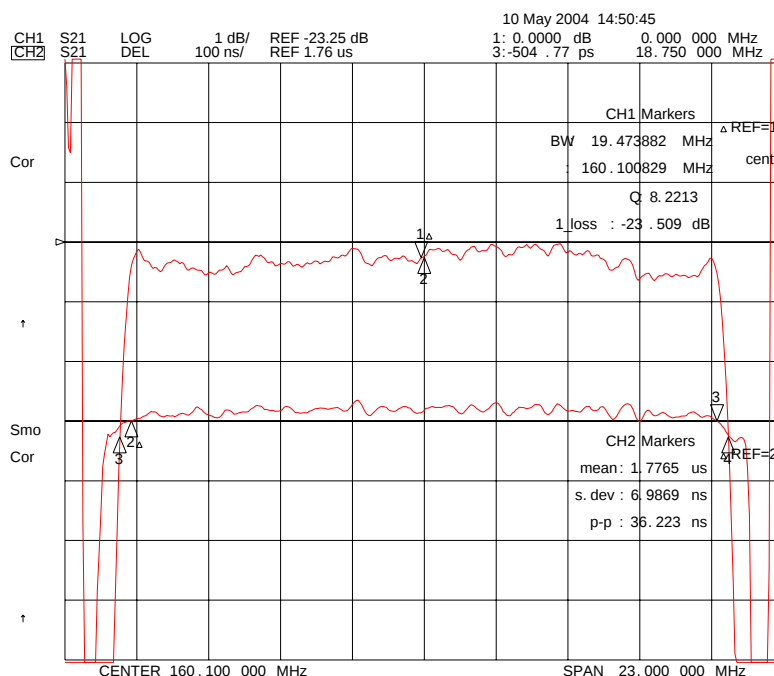
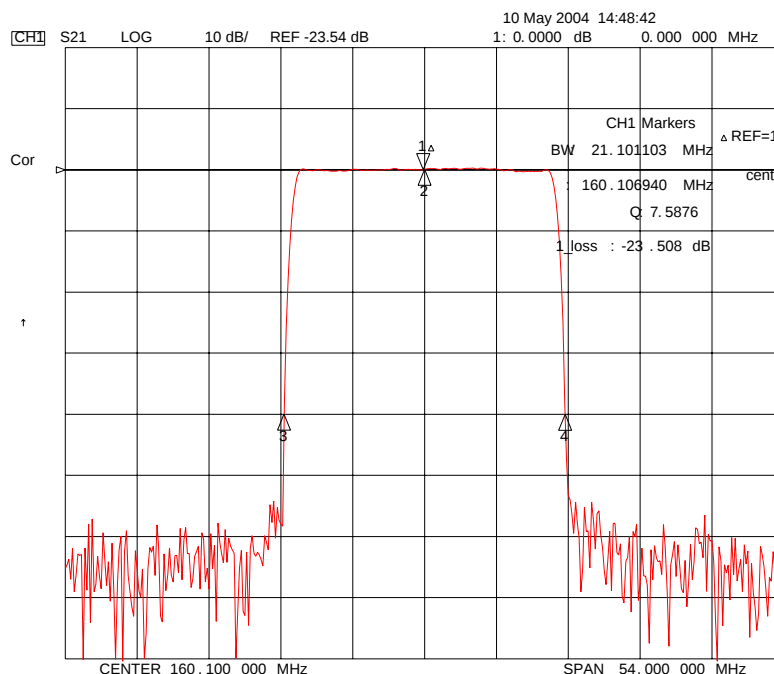
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

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		Rev.	NI2030-CS02	3/5

SAW Bandpass Filter 202544C

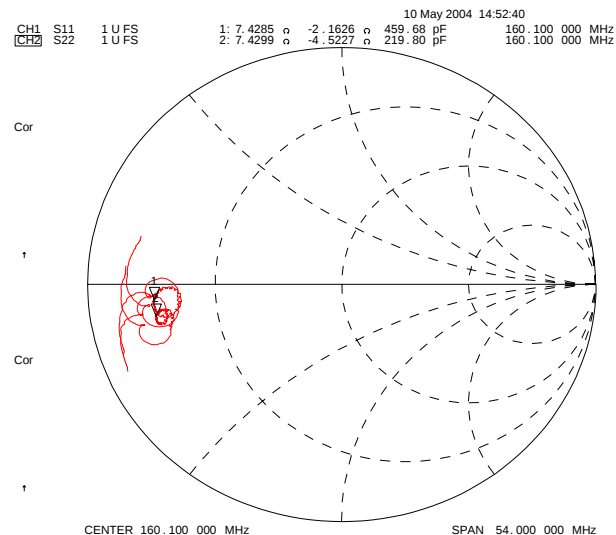
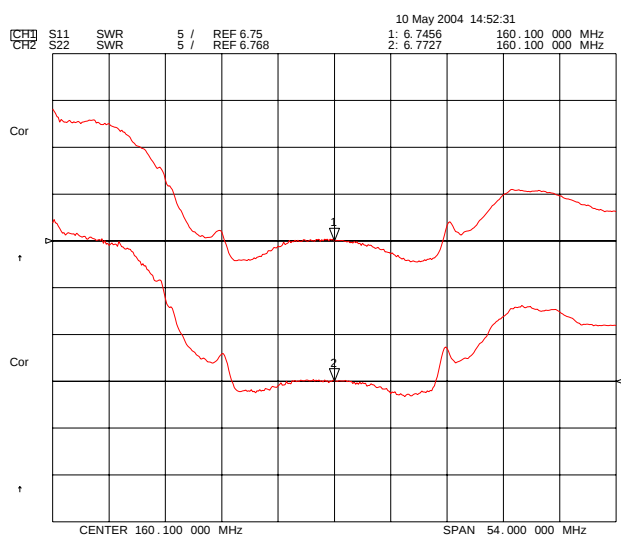
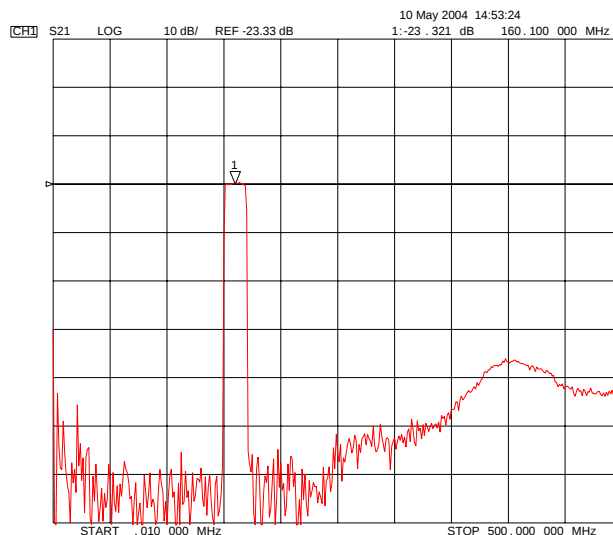
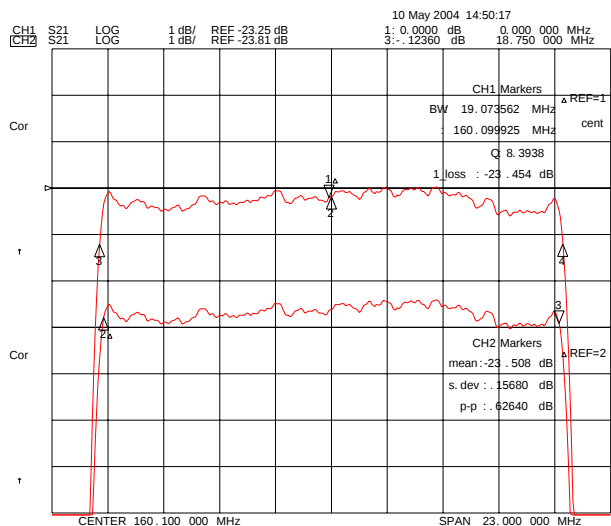


6. Typical Performance (at +25℃)



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			Rev. NI2030-CS02	4/5

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5/5