

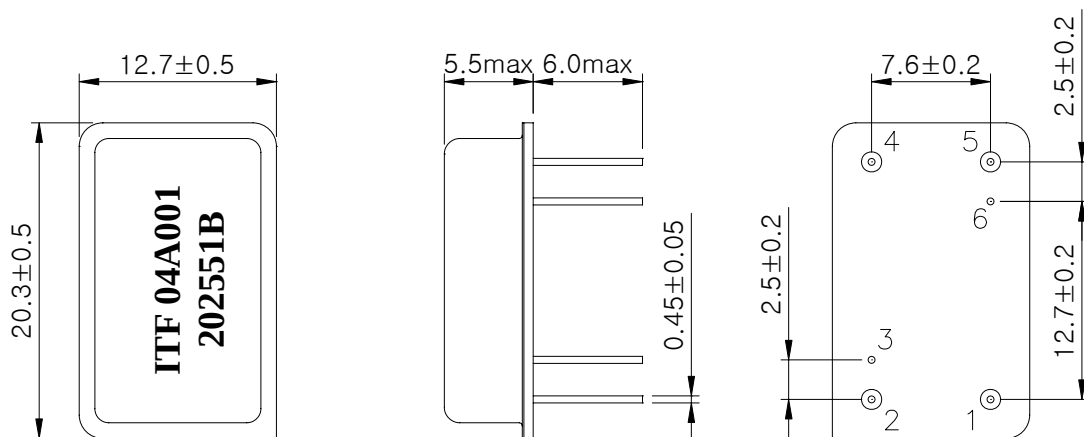
SAW Bandpass Filter 202551B



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 : 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

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	202551B	
		Rev. Date	2004-04-12	
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3. Specifications

Fo = 160.075 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	160.0	160.075	160.15
Insertion Loss	dB	-	24.5	25.5
1dB Bandwidth	MHz	19.0	19.1	-
3dB Bandwidth	MHz	19.5	19.55	-
40dB Bandwidth	MHz	-	21.3	21.5
Amplitude Ripple (150.7 to 169.45 MHz)	dB	-	0.7	1.0
Group Delay Variation (150.7 to 169.45 MHz)	nsec	-	40	100
Absolute Delay	usec	-	1.79	-
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

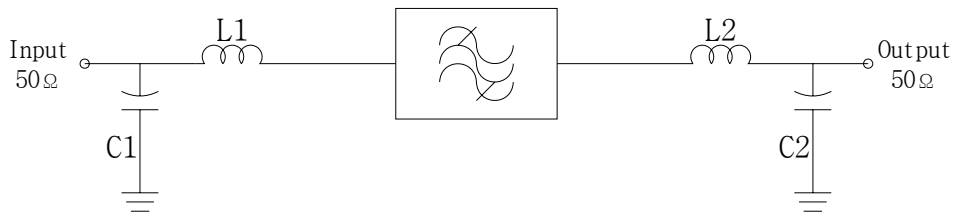
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4. Matching Schematic

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



$L1 = 18 \text{ nH}, \quad L2 = 22 \text{ nH}$

$C1 = C2 = 27 \text{ pF}$

5. Marking Configuration

ITF¹⁾ 04A001²⁾

202551B³⁾

1) Manufacturer name

2) Lot Number

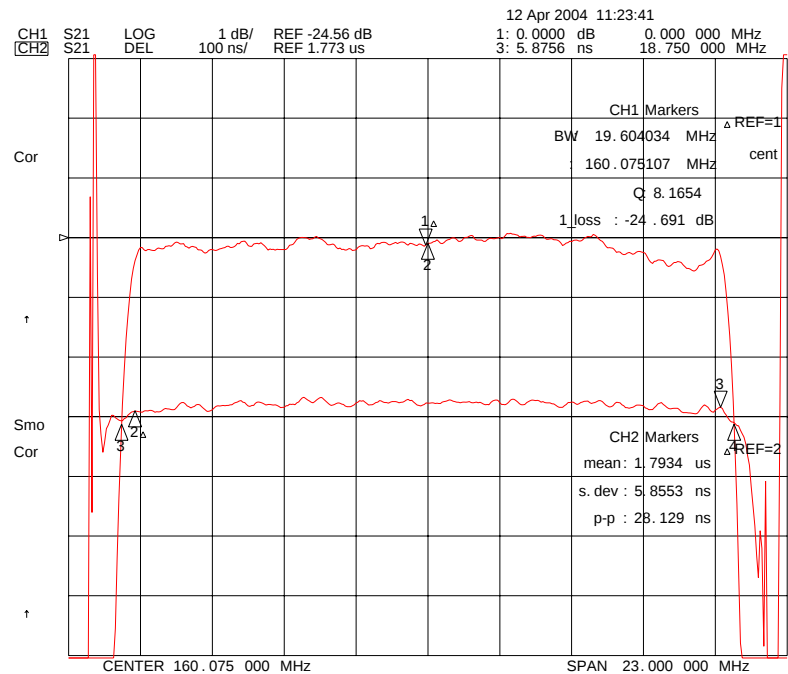
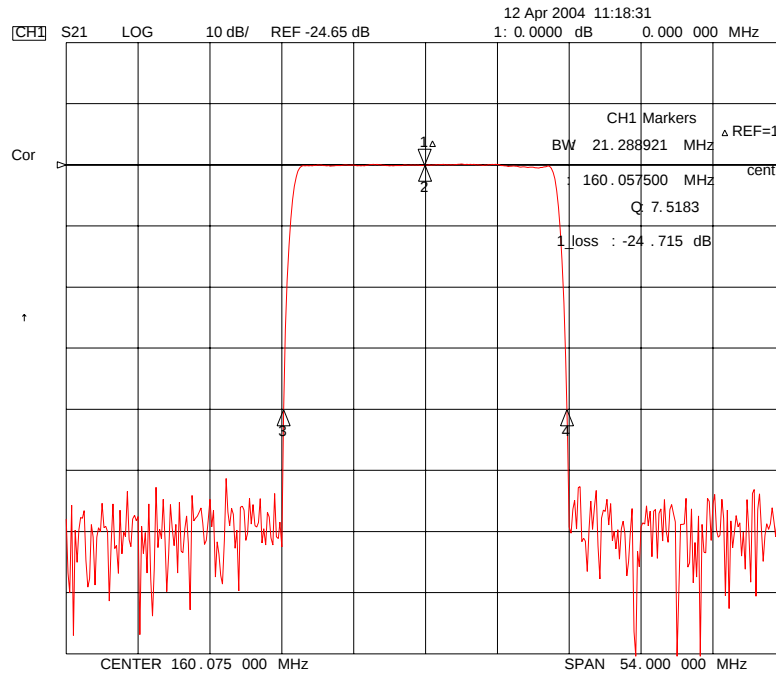
3) Part Number

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6. Typical Performance (at +25℃)



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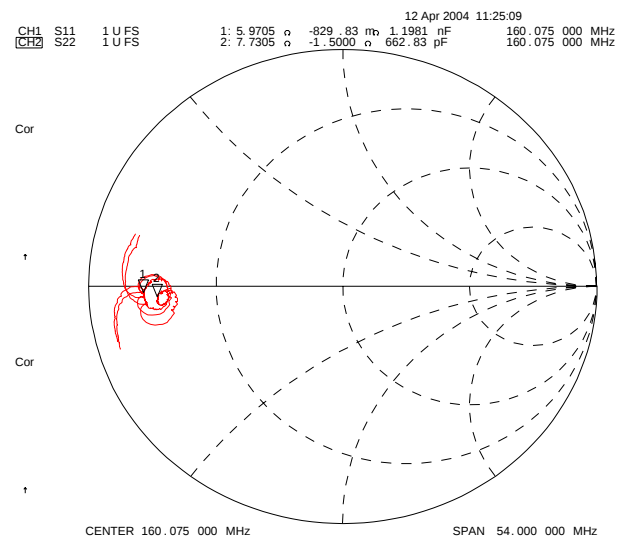
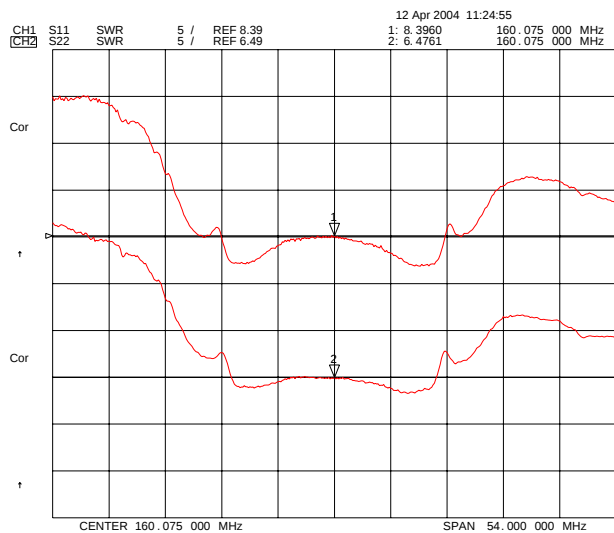
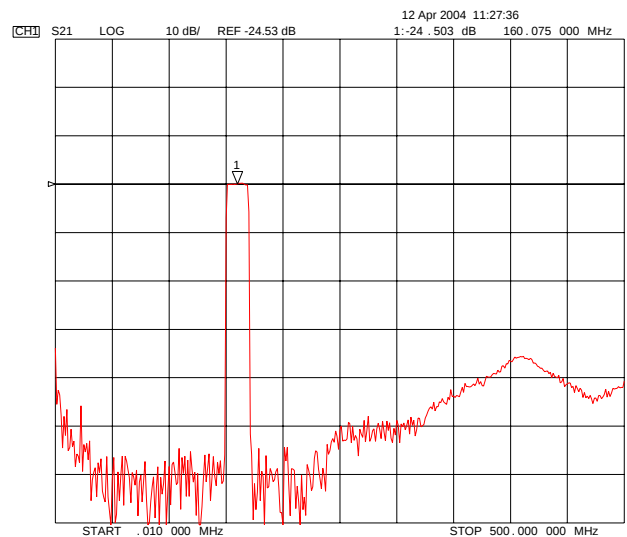
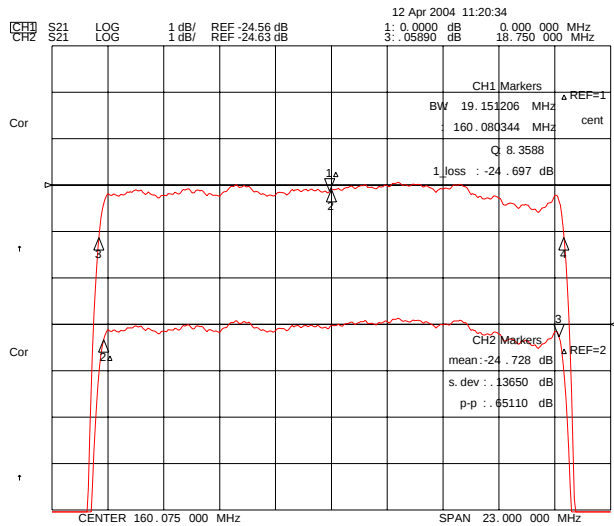
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