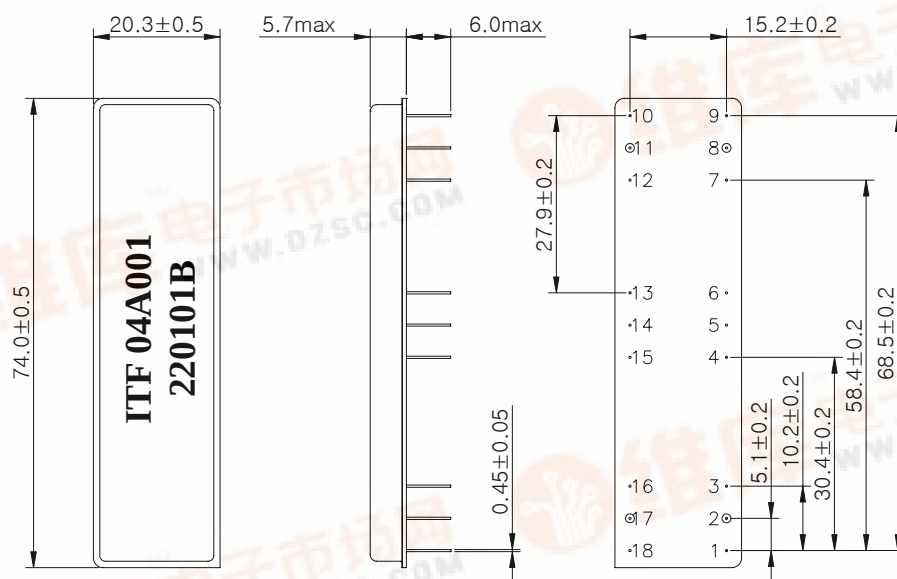


SAW Bandpass Filter 220101B

1. Features

- For CDMA Basestation Receiver
- High Attenuation
- Single-Ended Operation
- DIP Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Package : D7420

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

8	Input
17	Output
11, 2	Ground
Others	Case ground

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3. Specifications

Fo = 69.99 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

Operating Temperature Range : -10℃ ~ +60℃		Minimum	Typical	Maximum
Center Frequency	MHz	-	69.99	-
Insertion Loss	dB	-	21.6	22.5
1.5dB Bandwidth	MHz	1.26	1.28	-
35dB Bandwidth	MHz	-	1.485	1.5
Amplitude Ripple (Fo +/- 0.615 MHz)	dB	-	0.66	0.8
Group Delay Variation (Fo +/- 0.615 MHz)	nsec	-	710	1000
Absolute Delay	usec	-	10.669	-
Ultimate Rejection				
At Fo - 900 kHz	dB	50	54	-
At Fo + 900 kHz	dB	45	50	-
Temperature Coefficient of Frequency	ppm/℃ 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) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances
- 4) All attenuation measurements are measured relative to insertion loss

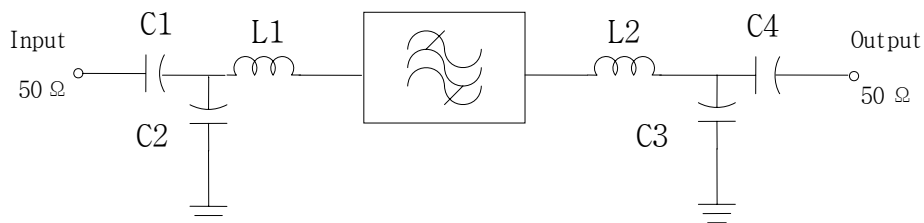
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4. Matching Schematic

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



L1 = 100 nH, L2 = 120 nH
C1 = 200pF, C4 = 200 pF
C2 = 100 pF, C3 = 110 pF

5. Marking Configuration

ITF¹⁾ 04A001²⁾
220101B³⁾

1) Manufacturer name

2) Lot Number

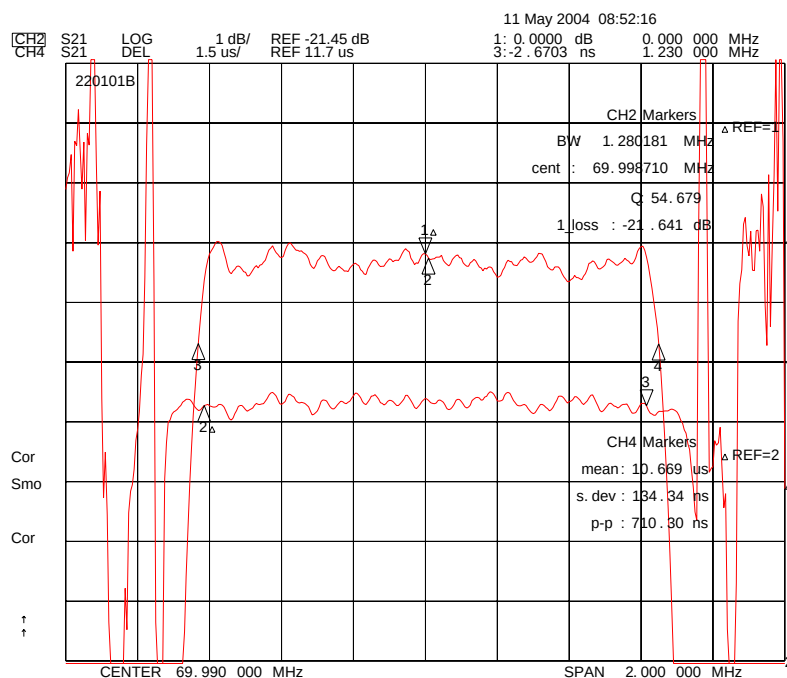
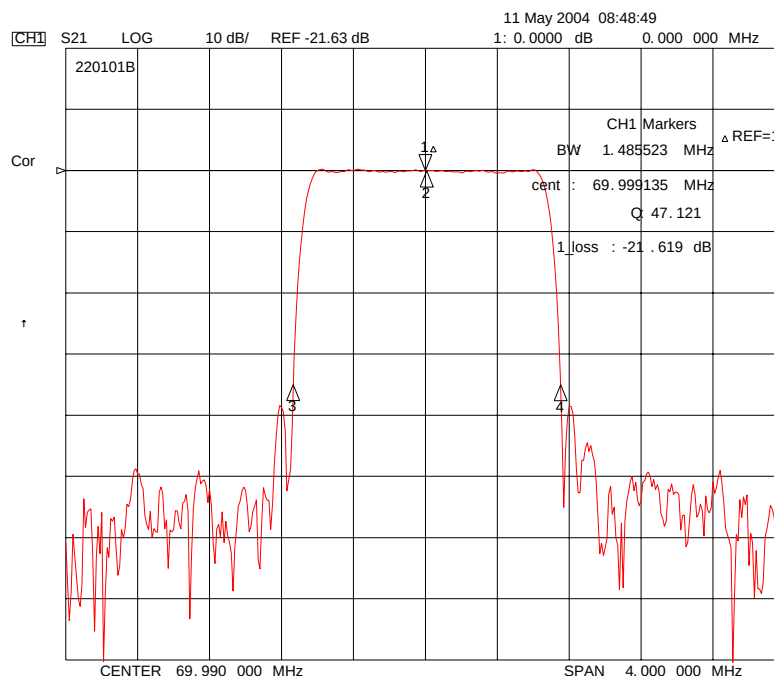
3) Part Number

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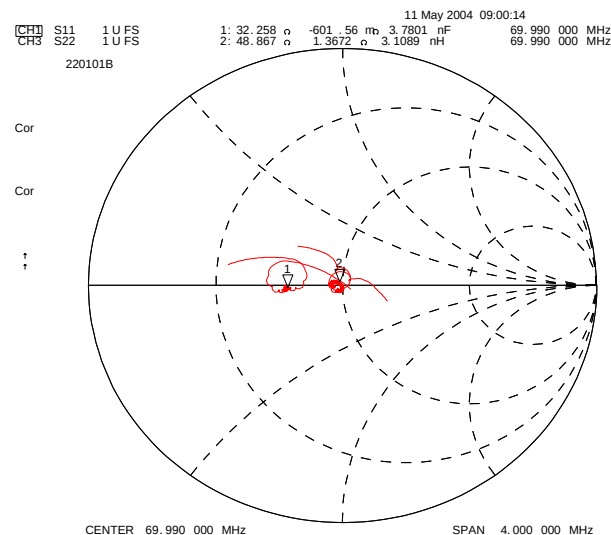
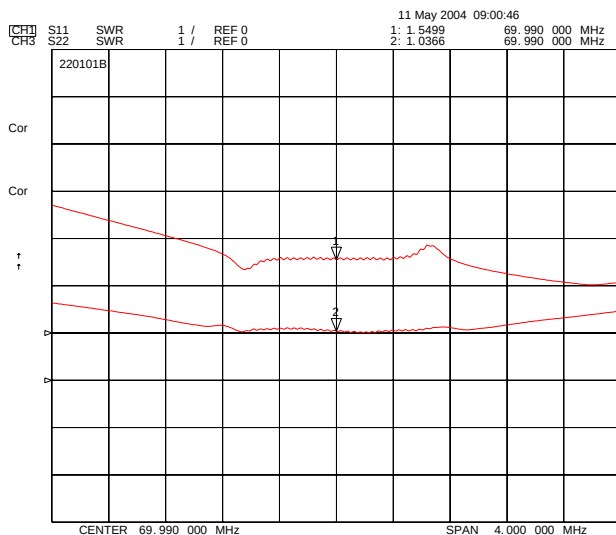
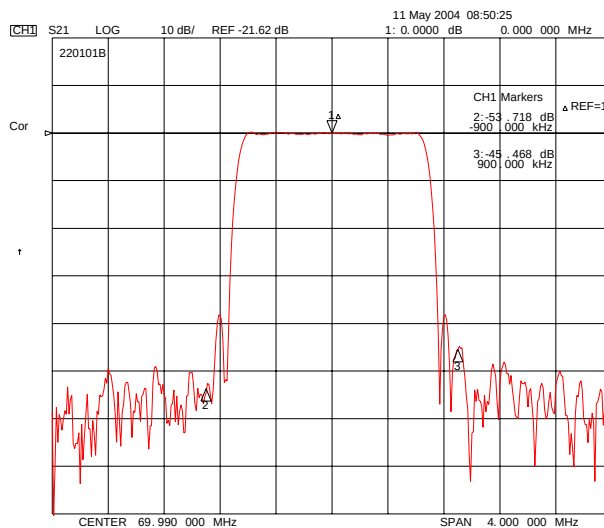
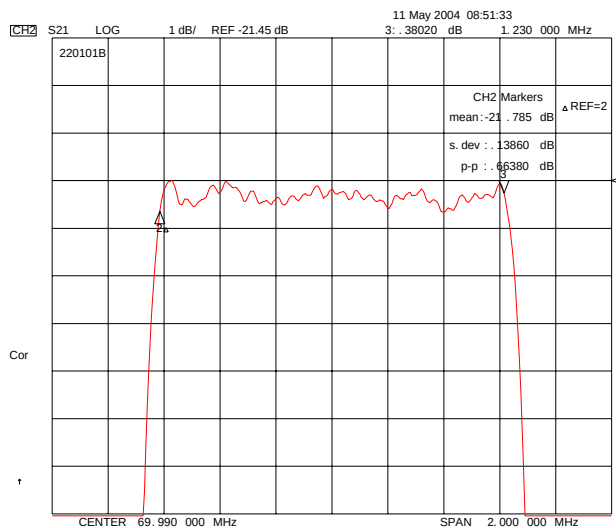


6. Typical Performance (at +25℃)



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Rev.

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