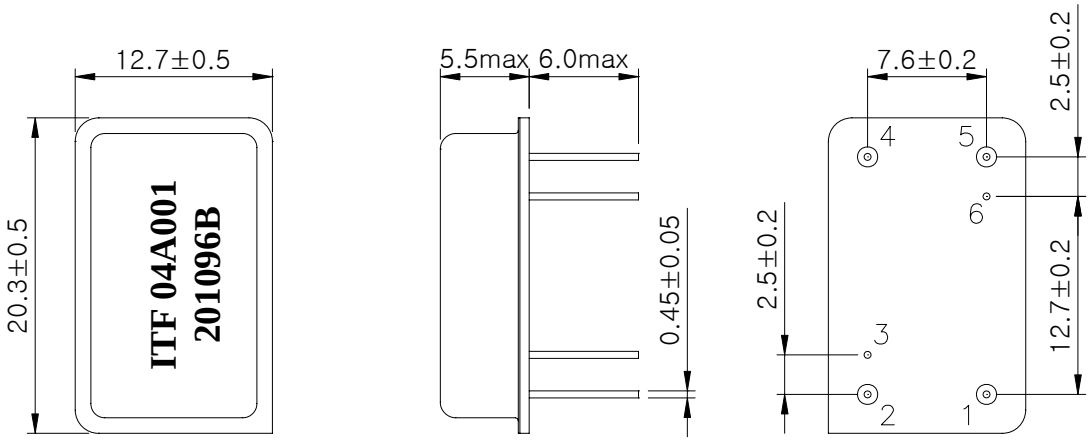
SAW Bandpass Filter 201096B

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
Others	Case ground

3. Specifications

Fo = 70.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

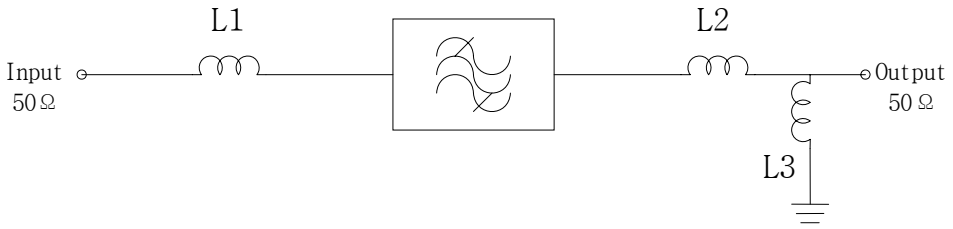
		Minimum	Typical	Maximum
Center Frequency	MHz	69.96	70.0	70.04
Insertion Loss	dB	-	18.6	20.0
1dB Bandwidth	MHz	-	1.9	-
3dB Bandwidth	MHz	2.0	2.2	-
40dB Bandwidth	MHz	-	3.3	3.45
Amplitude Ripple (Fo +/- 0.75 MHz)	dB	-	0.5	0.75
Group Delay Variation (Fo +/- 0.75 MHz)	nsec	-	150	250.
Absolute Delay	usec	-	2.45	-
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 at room temperature
3) All attenuation measurements are measured relative to insertion loss

4. Matching Schematic

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



L1 = L2 = 390 nH

L3 = 82 nH

5. Marking Configuration

ITF[1] 04A001[2]

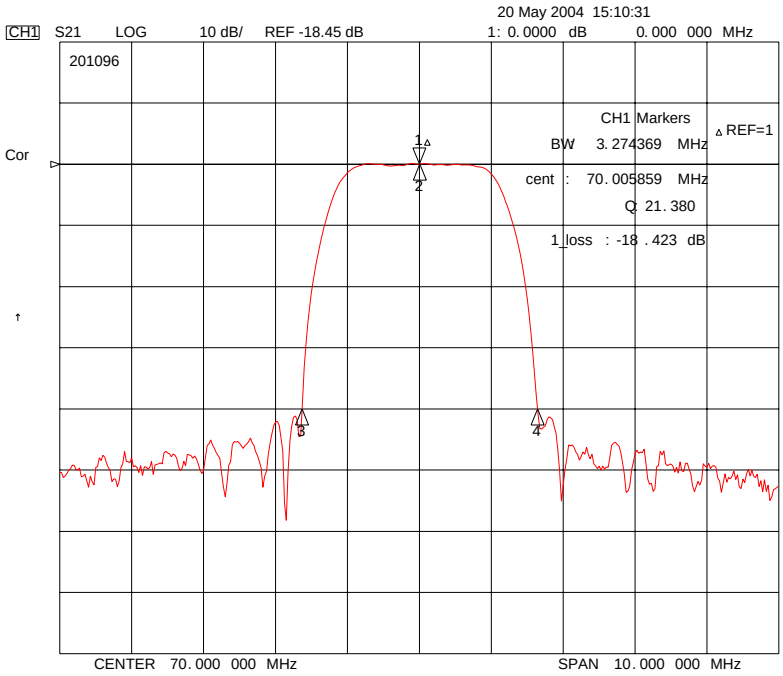
201096B[3]

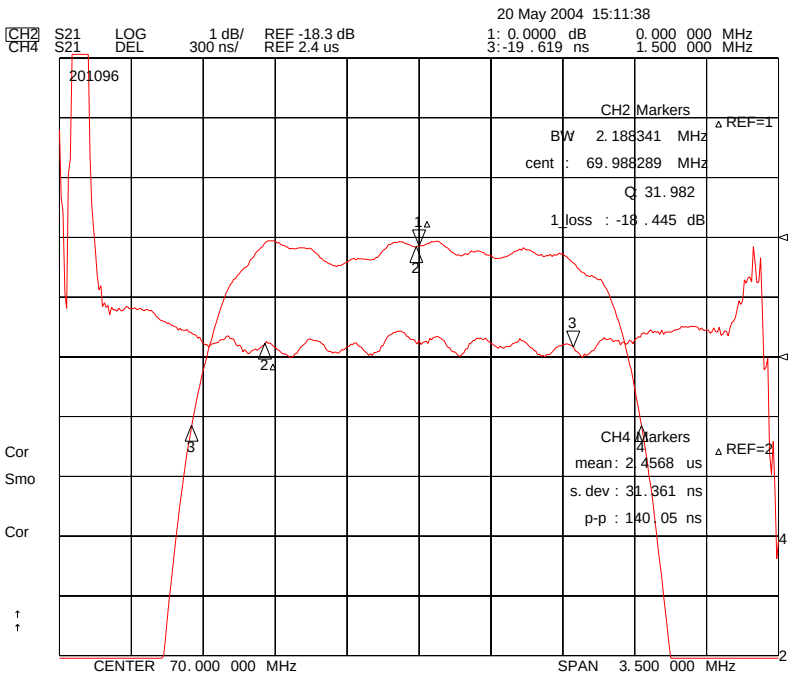
1) Manufacturer name

2) Lot Number

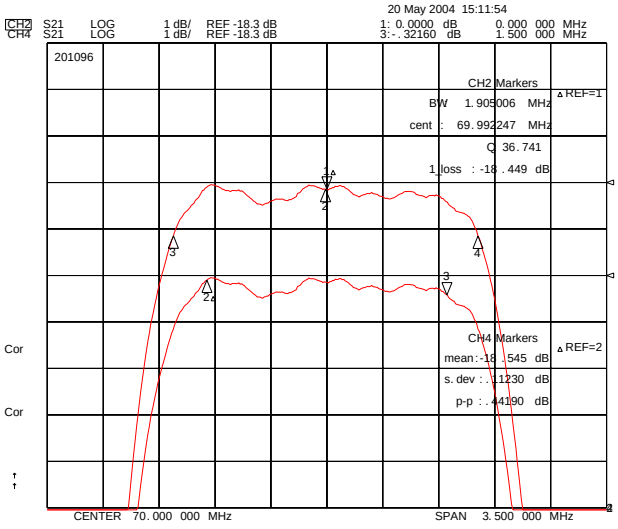
3) Part Number

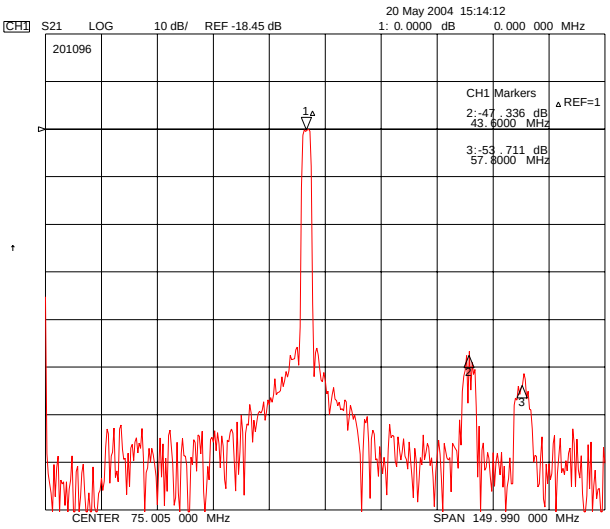
6. Typical Performance (at +25℃)

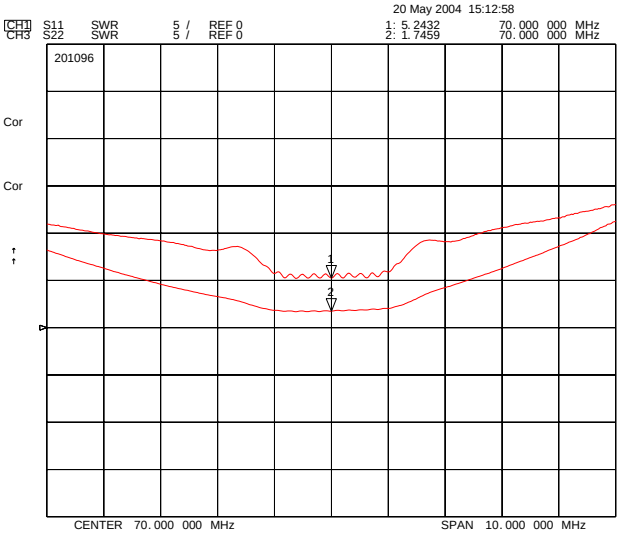


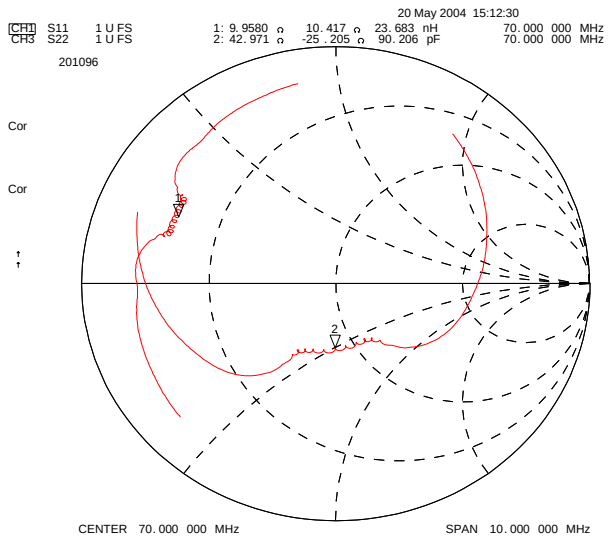


SAW Bandpass Filter 201096B









Integrated Technology Future	**I T F Co., Ltd.** 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyounggi-Do, Korea 421-809	Part No.	201096B
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