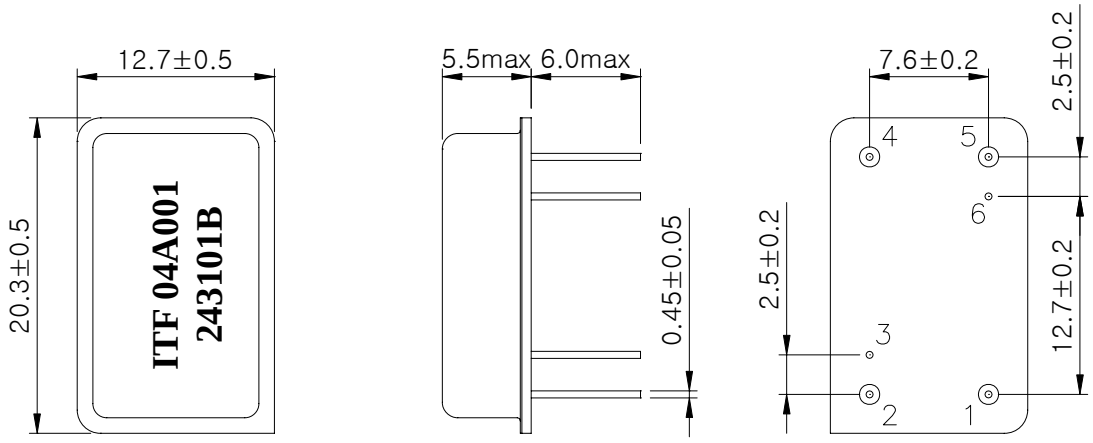
SAW Bandpass Filter 243101B

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

3. Specifications

Fo = 94 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

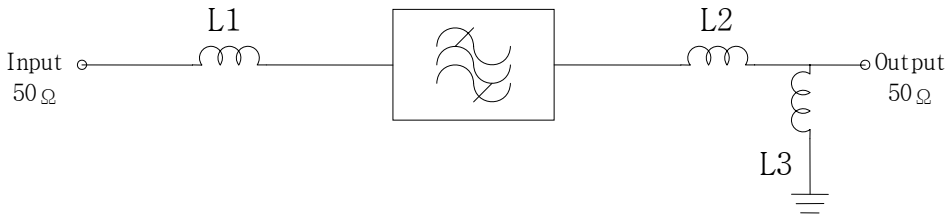
		Minimum	Typical	Maximum
Center Frequency	MHz	93.9	94.0	94.1
Insertion Loss	dB	-	25.5	26.5
1dB Bandwidth	MHz	-	31.2	-
3dB Bandwidth	MHz	31.5	31.7	-
40dB Bandwidth	MHz	-	33.7	34.0
Amplitude Ripple (Fo +/- 14.675 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 14.675 MHz)	nsec	-	50	100
Absolute Delay	usec	-	1.88	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-83	-

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 = 68 nH, L2 = 68 nH

L3 = 100 nH

5. Marking Configuration

ITF[1] 04A001[2]

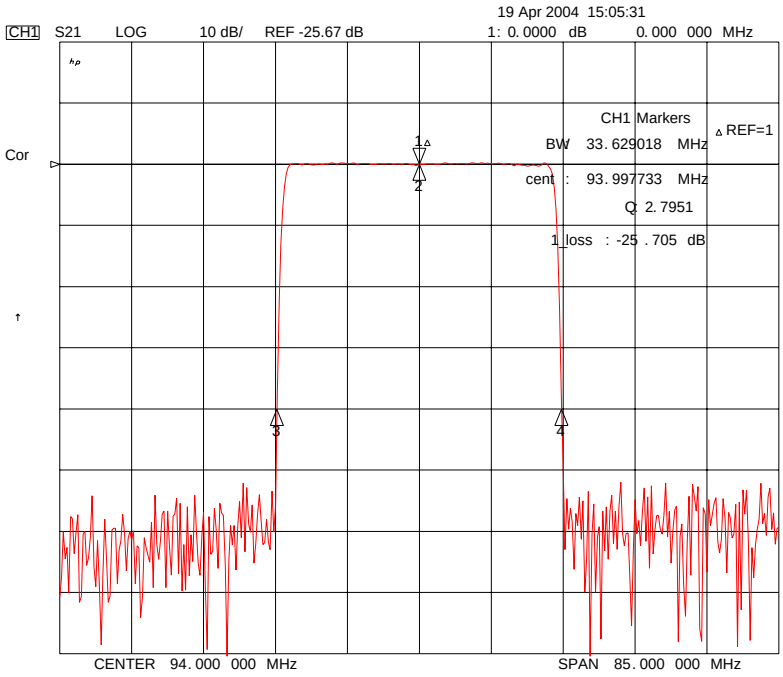
243101B[3]

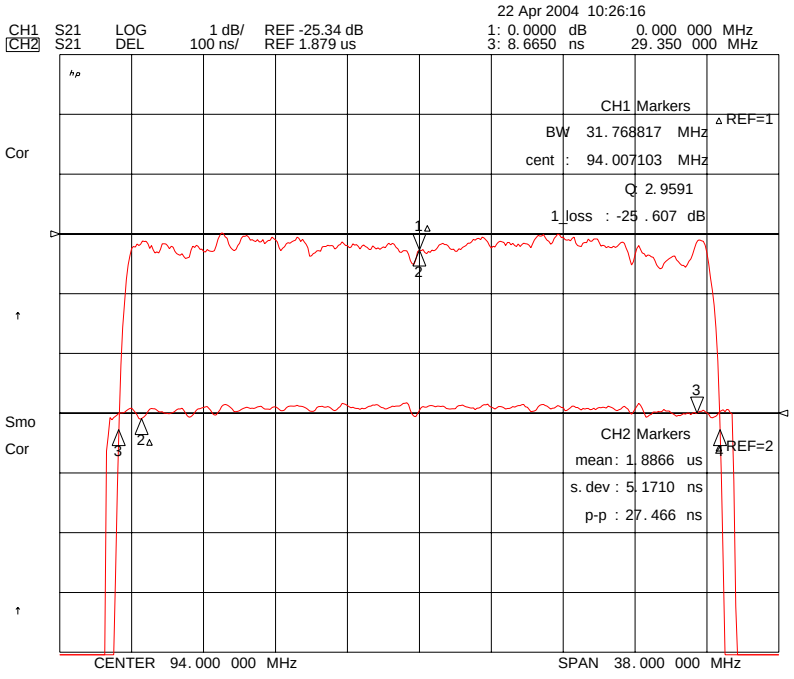
1) Manufacturer name

2) Lot Number

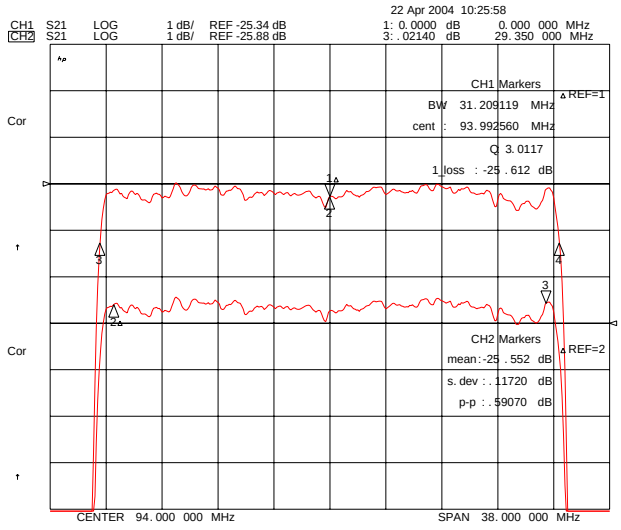
3) Part Number

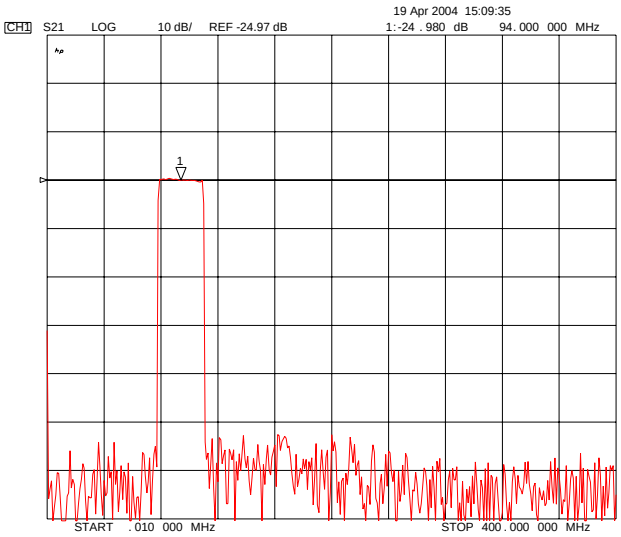
6. Typical Performance (at +25℃)

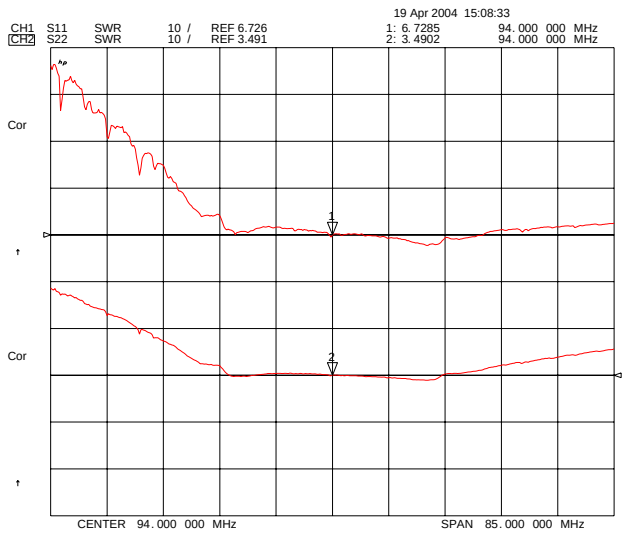


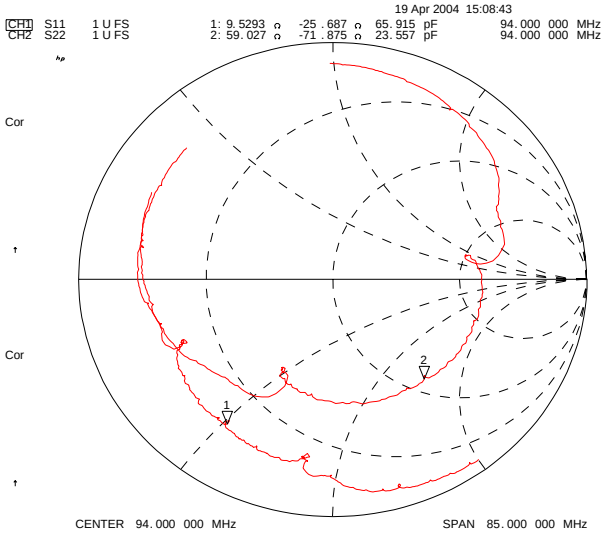


SAW Bandpass Filter 243101B









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.	243101B	
		Rev. Date	2004-04-22	
		Rev.	NM4005-CS01	5/5