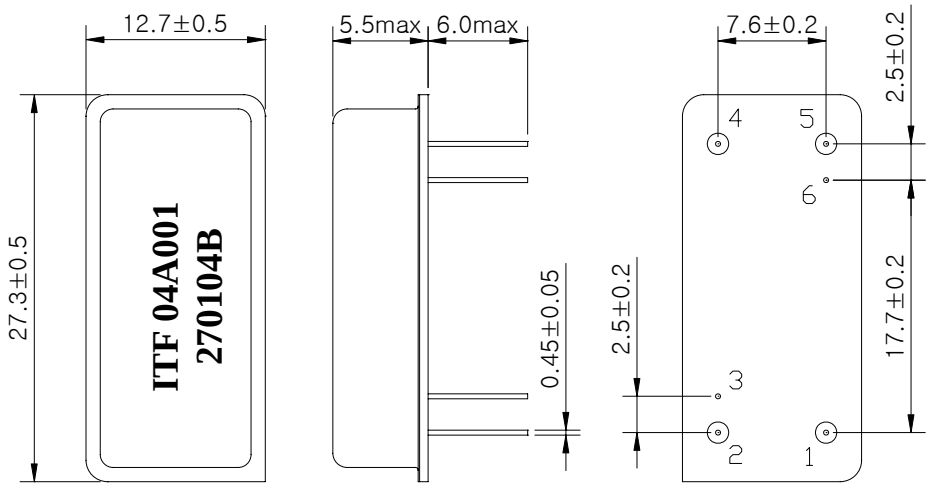
SAW Bandpass Filter 270104B

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 : D2712

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 = 70 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

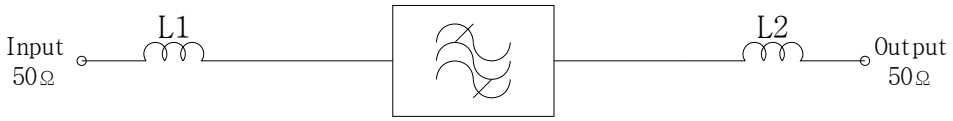
Operating temperature range : -10℃ ~ +60℃		Minimum	Typical	Maximum
Center Frequency	MHz	-	70.0	-
Insertion Loss	dB	-	23.1	26.0
1dB Bandwidth	MHz	-	1.15	-
3dB Bandwidth	MHz	1.25	1.35	-
40dB Bandwidth	MHz	-	2.17	2.3
Amplitude Ripple (Fo +/- 0.45 MHz)	dB	-	0.4	1.0
Group Delay Variation (Fo +/- 0.45 MHz)	nsec	-	90	300
Absolute Delay	usec	-	3.18	-
Ultimate Rejection	dB	50	52	-
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
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

4. Matching Schematic

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



L1 = 150 nH, L2 = 150 nH

5. Marking Configuration

ITF[1] 04A001[2]

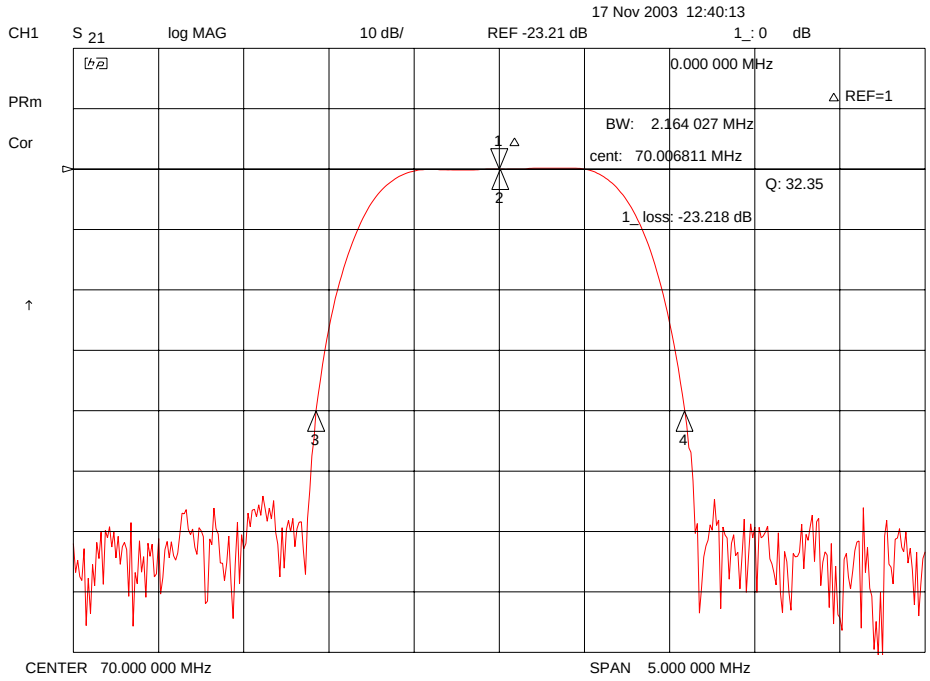
270104B[3]

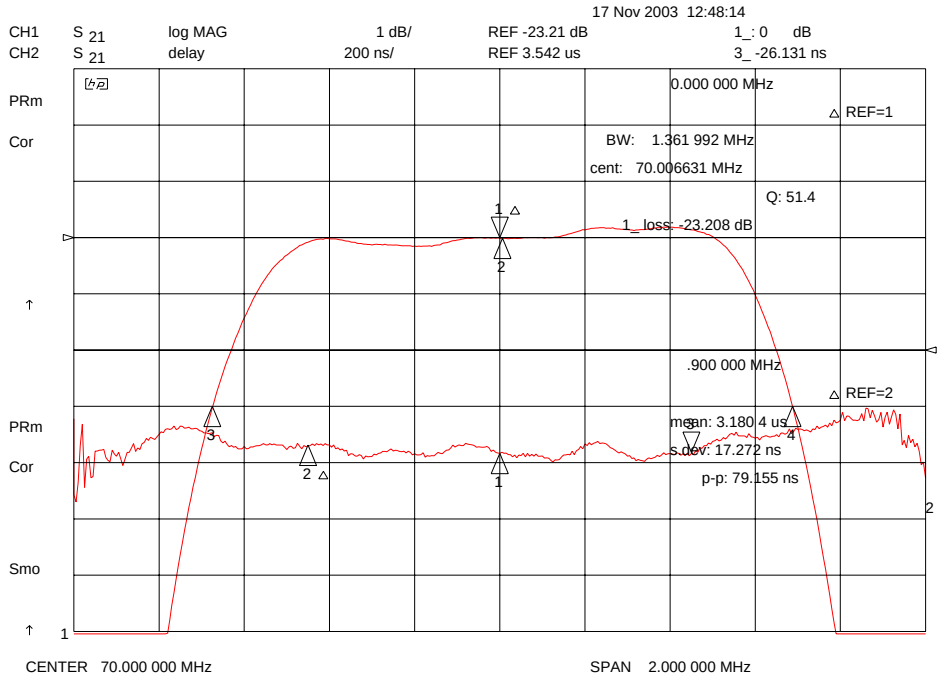
1) Manufacturer name

2) Lot Number

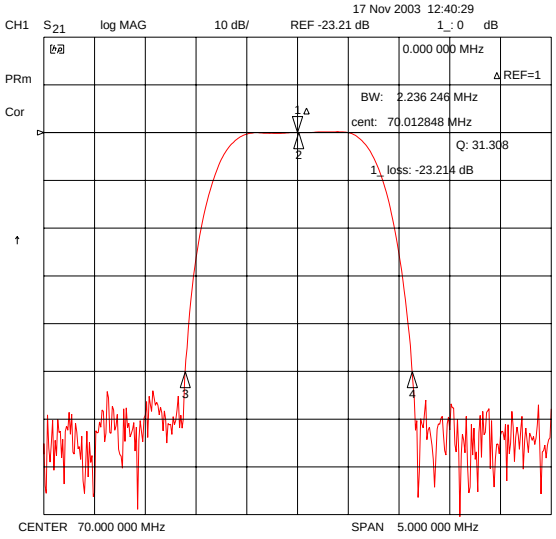
3) Part Number

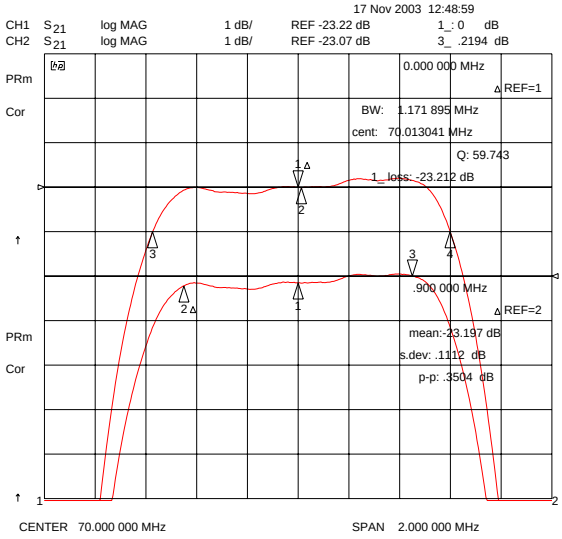
6. Typical Performance (at +25℃)

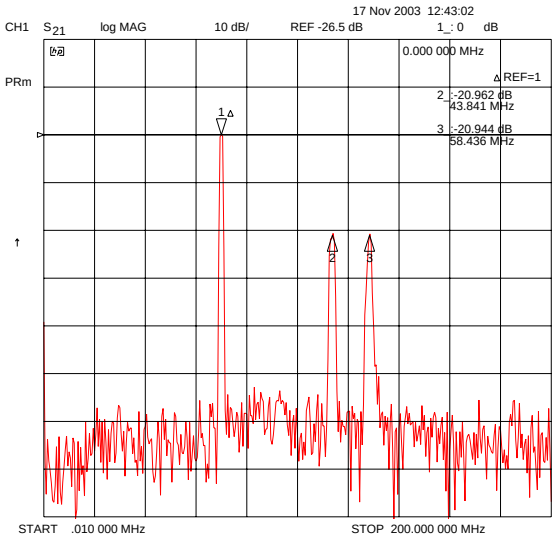


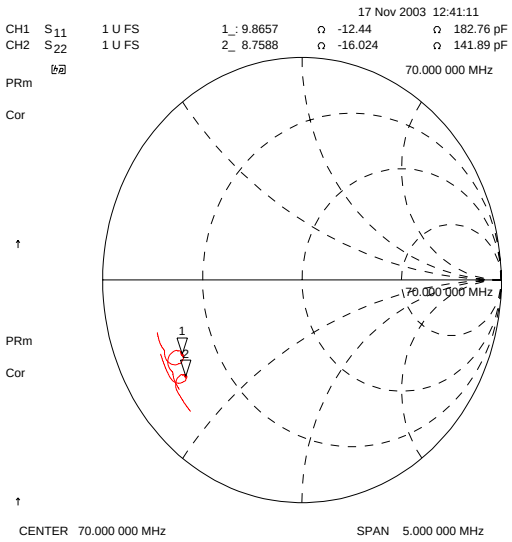


SAW Bandpass Filter 270104B









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.	270104B	
		Rev. Date	2004-03-17	
		Rev.	NW3029-CS03	5/5