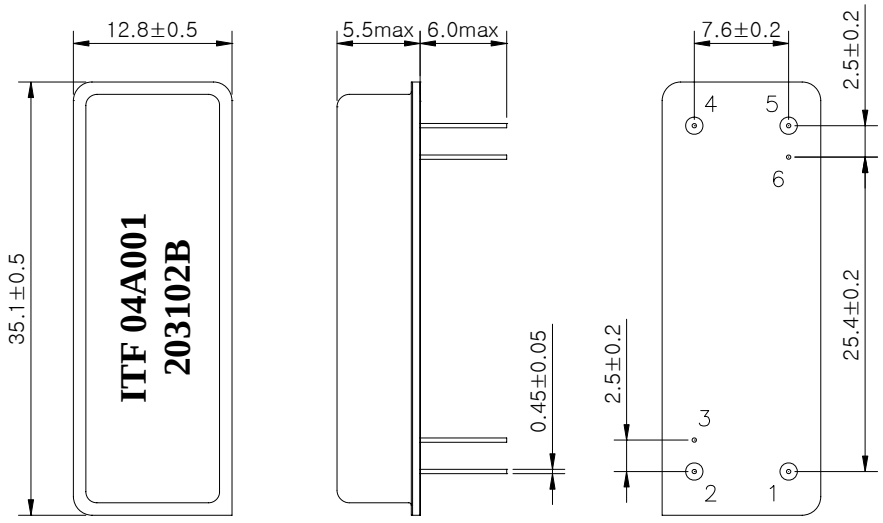
SAW Bandpass Filter 203102B

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 : D3512

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 = 59.265 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

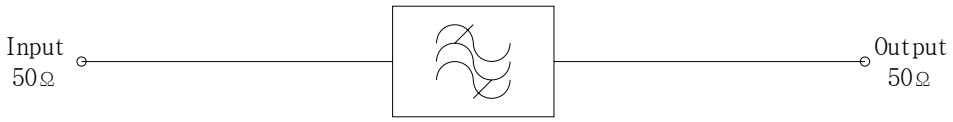
		Minimum	Typical	Maximum
Center Frequency	MHz	59.215	59.265	59.315
Insertion Loss	dB	-	24.0	26.0
1dB Bandwidth	MHz	-	10.9	-
3dB Bandwidth	MHz	11.22	11.25	11.32
40dB Bandwidth	MHz	-	12.33	12.42
Amplitude Ripple (Fo +/- 5.3 MHz)	dB	-	1.0	1.5
Group Delay Variation (Fo +/- 5.3 MHz)	nsec	-	50	150
Absolute Delay	usec	-	3.2	-
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

4. Matching Schematic

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



5. Marking Configuration

ITF[1] 04A001[2]

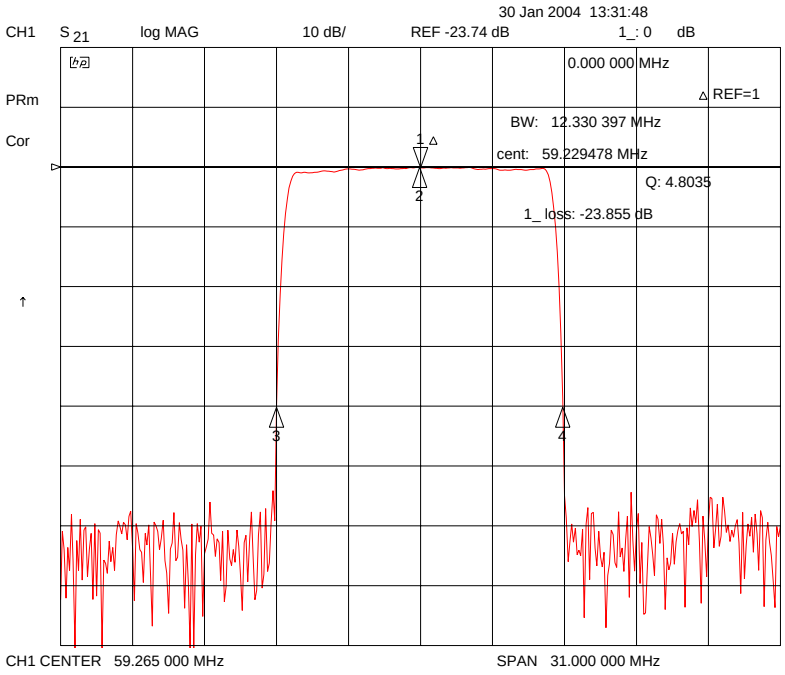
203102B[3]

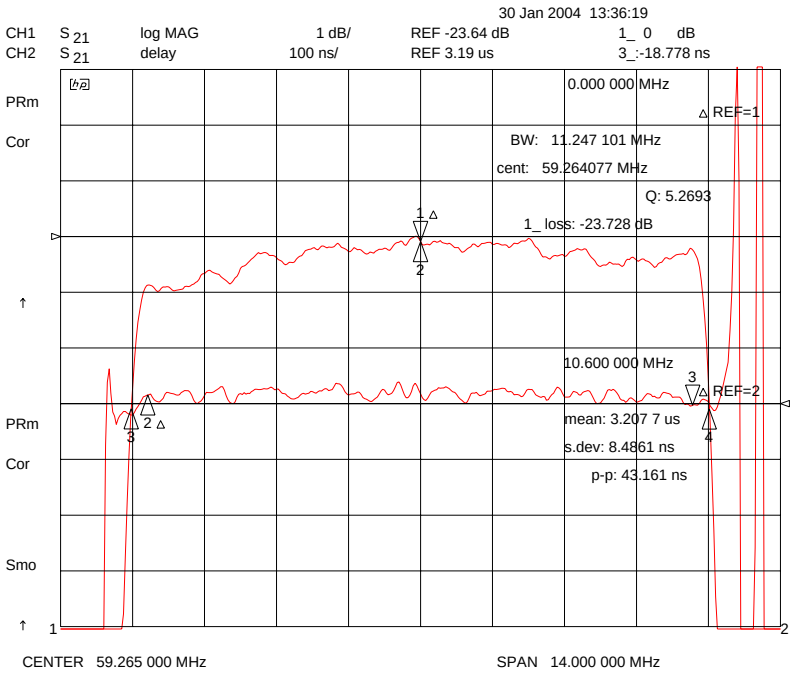
1) Manufacturer name

2) Lot Number

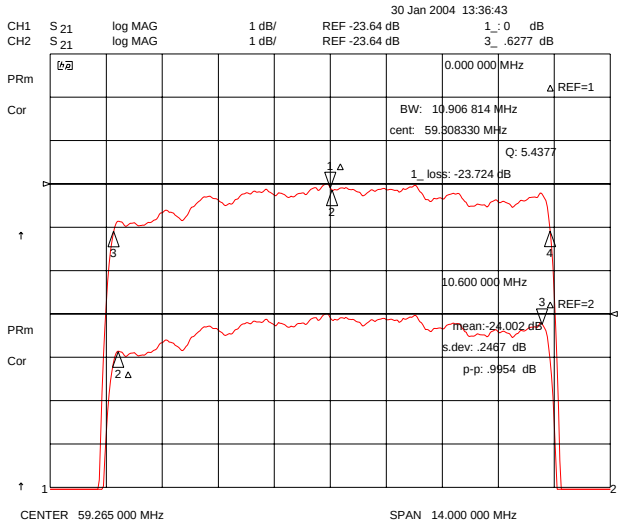
3) Part Number

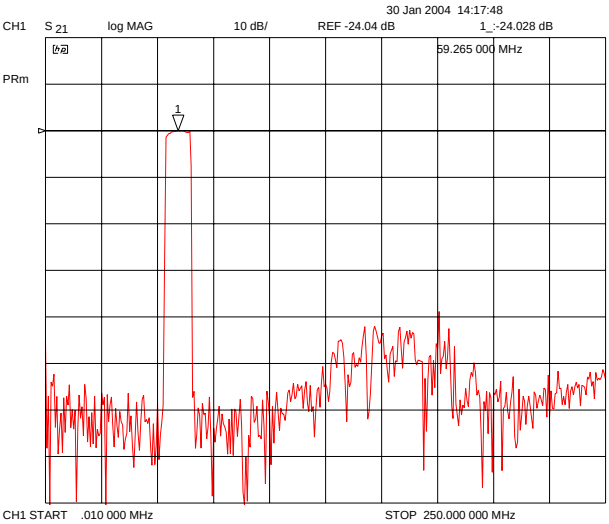
6. Typical Performance (at +25℃)

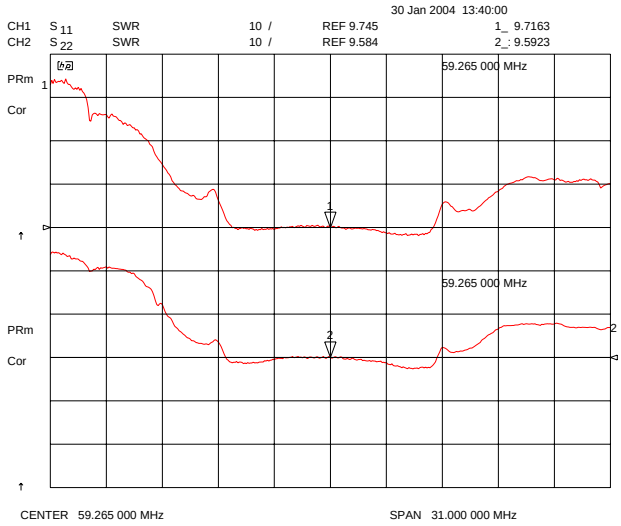


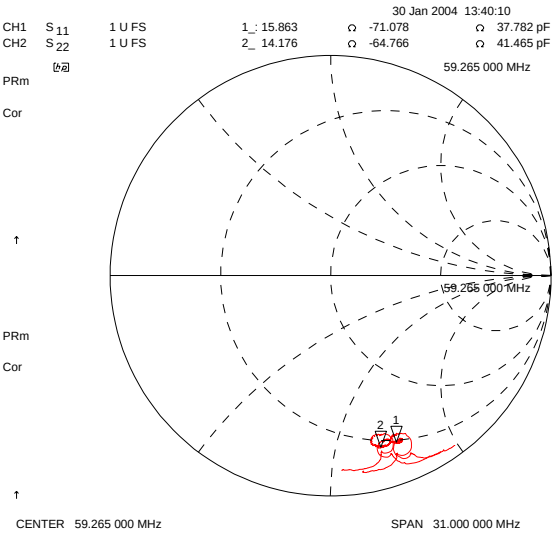


SAW Bandpass Filter 203102B









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.	203102B
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