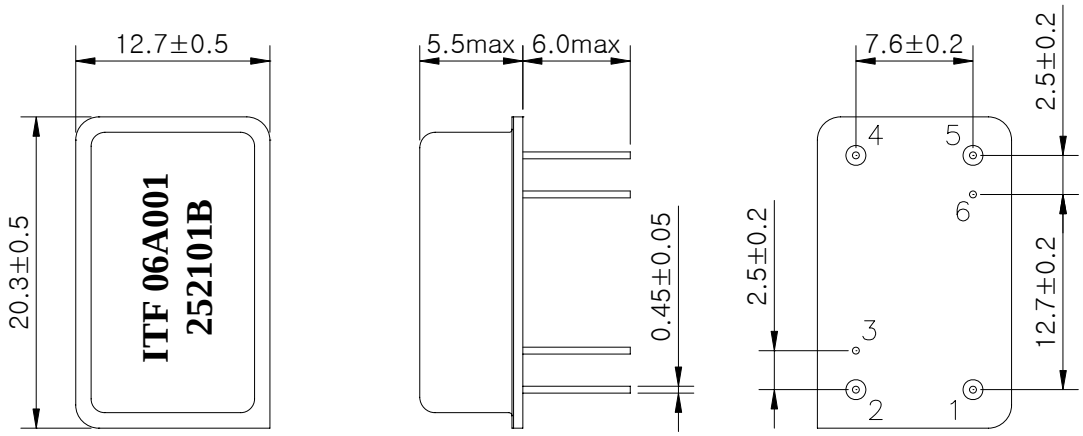
SAW Bandpass Filter 252101B

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 = 160.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

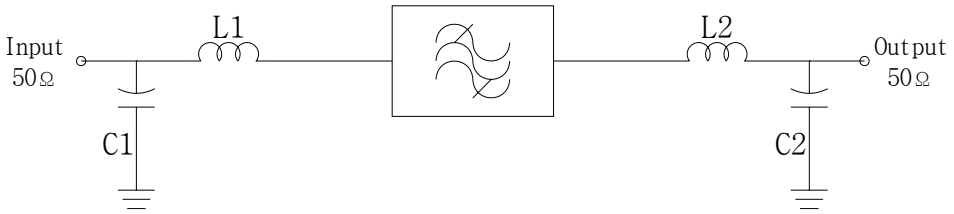
		Minimum	Typical	Maximum
Center Frequency	MHz	-	160.0	-
Insertion Loss	dB	-	24.0	26.0
1dB Bandwidth	MHz	-	20.85	-
3dB Bandwidth	MHz	21.0	21.4	-
40dB Bandwidth	MHz	-	23.75	24.0
Amplitude Ripple (Fo +/- 9.75 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 9.75 MHz)	nsec	-	40	100
Absolute Delay	usec	-	1.44	-
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)



L1 = 18nH, L2 = 27nH

C1 = 20pF, C2 = 20PF

5. Marking Configuration

ITF[1] 06A001[2]

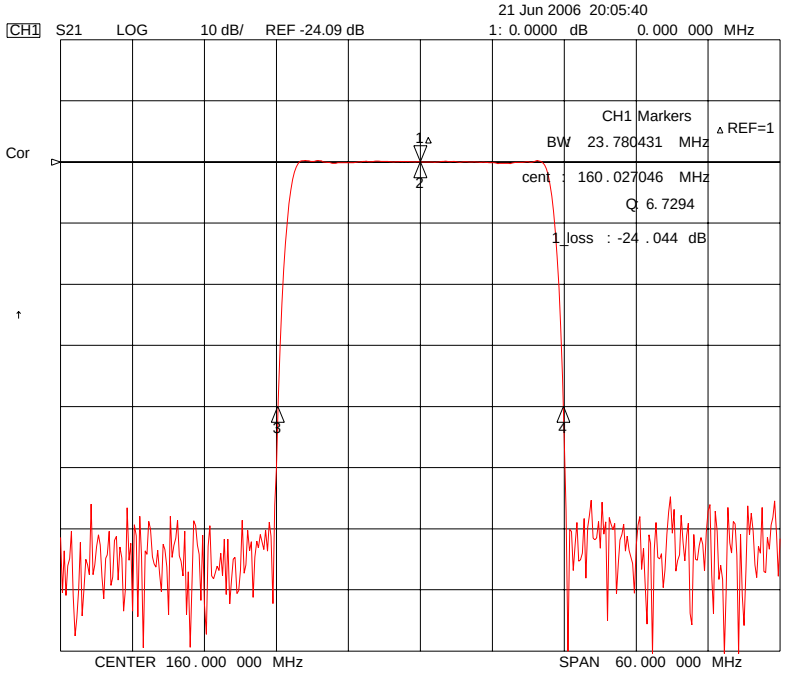
252101B[3]

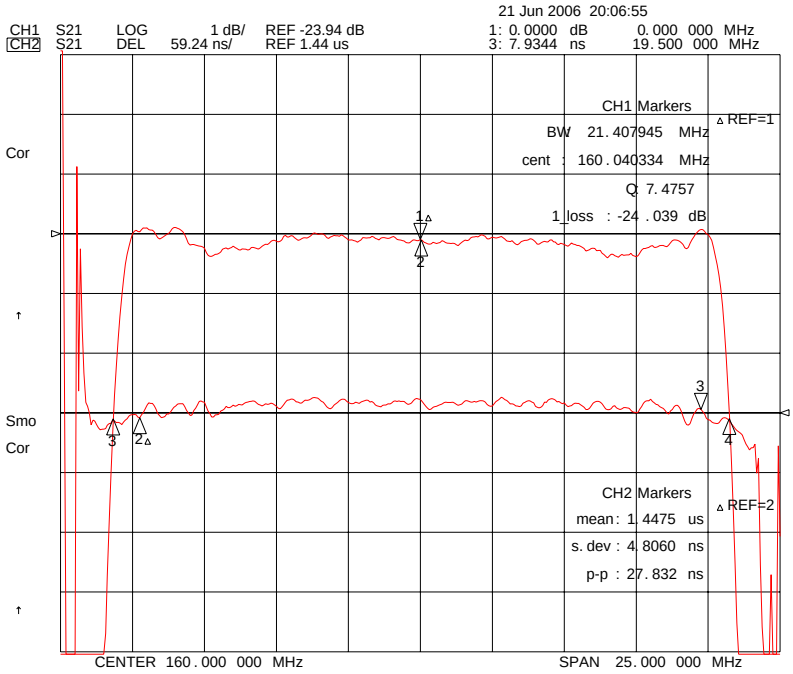
1) Manufacturer name

2) Lot Number

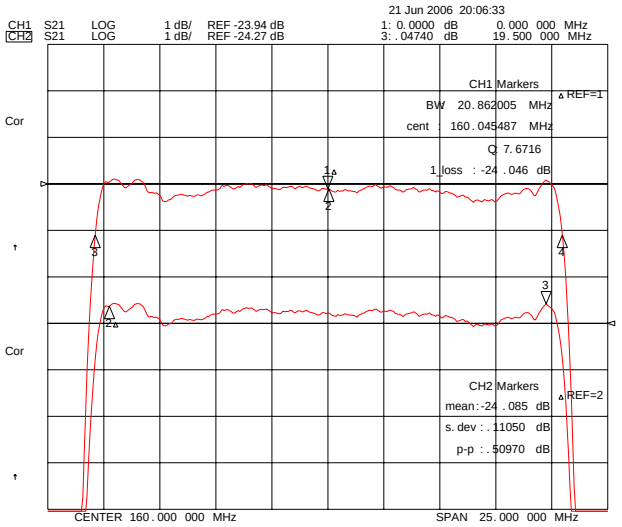
3) Part Number

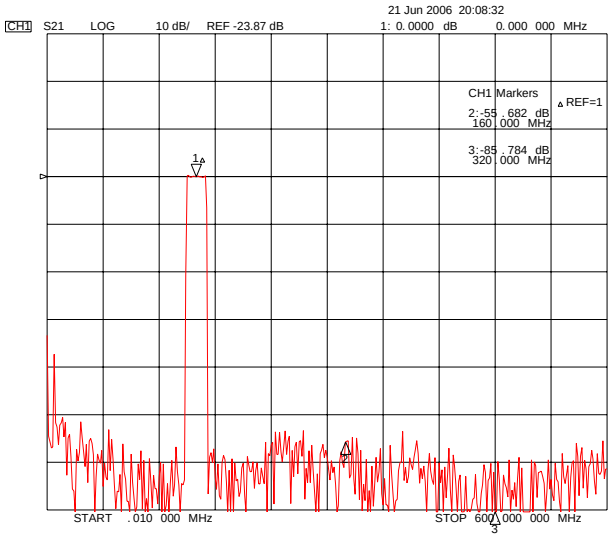
6. Typical Performance (at +25℃)

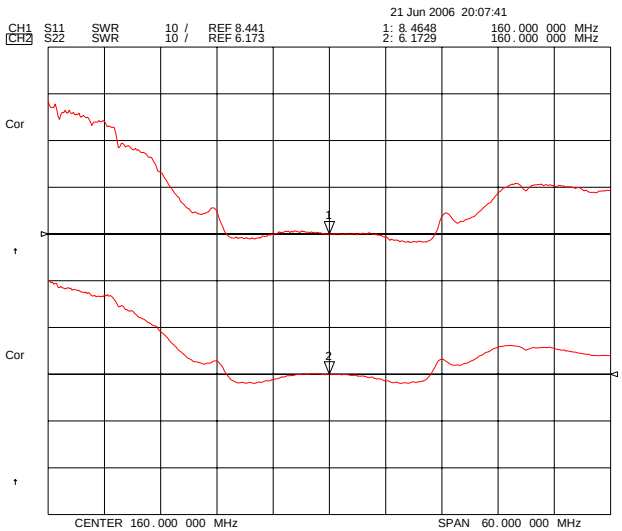


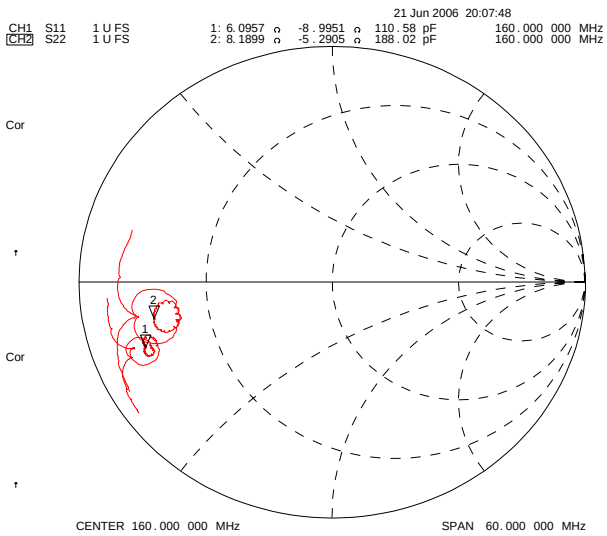


SAW Bandpass Filter 252101B









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.	252101B	
		Rev. Date	2006-06-22	
		Rev.	NM6018-CS01	5/5