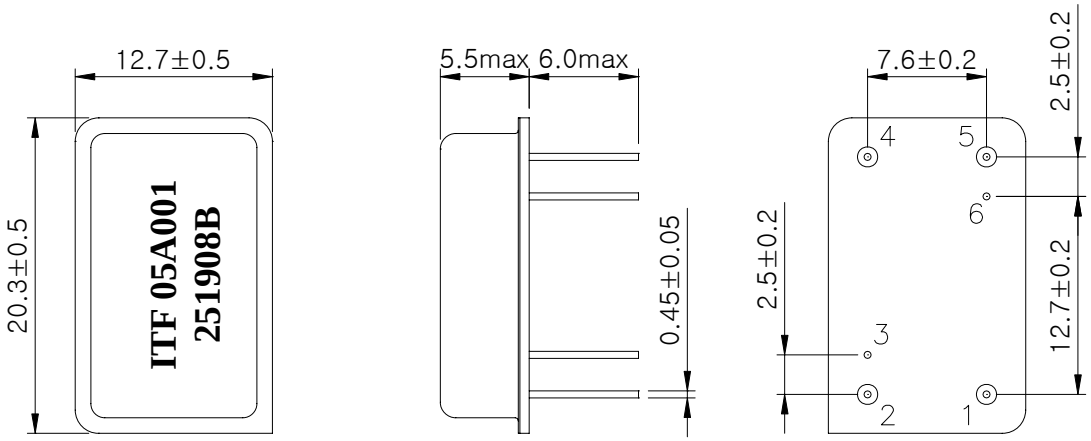
SAW Bandpass Filter 251908B

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 = 140.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

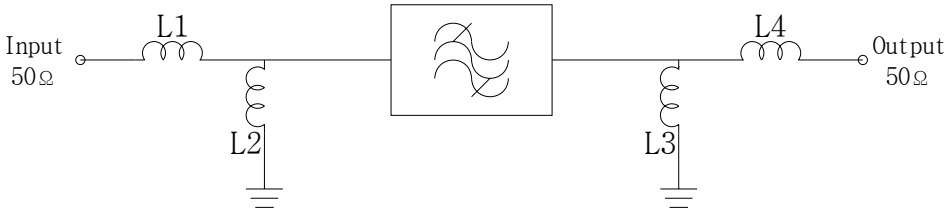
		Minimum	Typical	Maximum
Center Frequency	MHz	139.85	140.0	140.15
Insertion Loss	dB	-	27.0	28.0
1dB Bandwidth	MHz	-	19.1	-
3dB Bandwidth	MHz	19.4	19.55	-
10dB Bandwidth	MHz	-	20.2	20.3
40dB Bandwidth	MHz		21.1	21.3
Amplitude Ripple (Fo +/- 9.375 MHz)	dB	-	0.8	1.2
Group Delay Variation (Fo +/- 9.375 MHz)	nsec	-	30	100
Absolute Delay	usec	-	3.2	-
Ultimate Rejection	dB	50	52	-
Temperature Coefficient of Frequency	ppm/°C^2	-	-23	-

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 = 82nH, L2 = 68 nH

L3 = 68nH, L4 = 68 nH

5. Marking Configuration

ITF[1] 05A001[2]

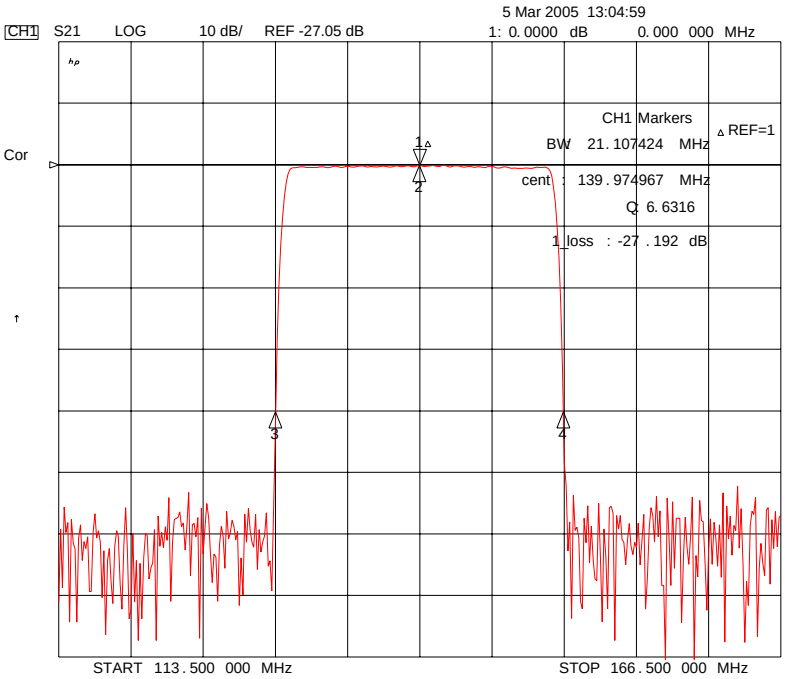
251908B[3]

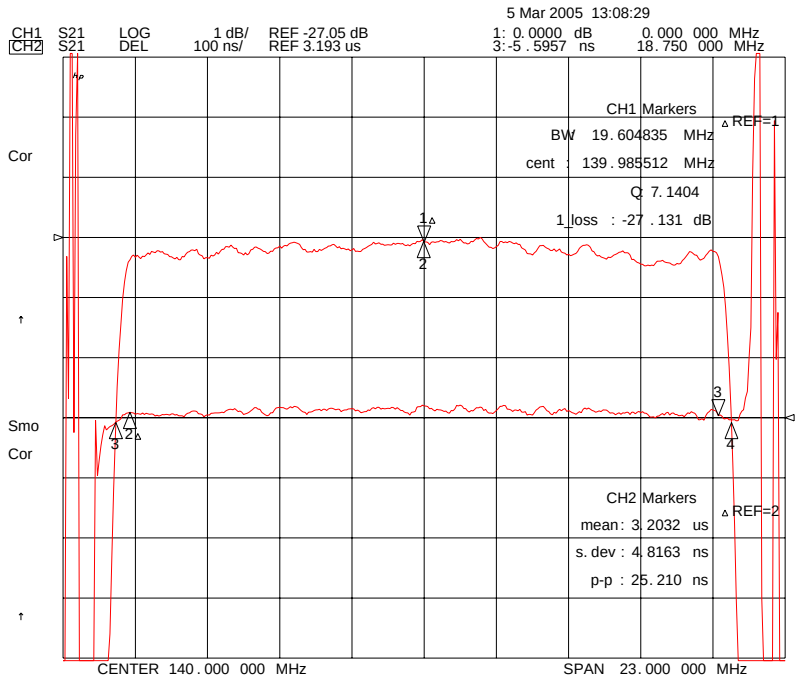
1) Manufacturer name

2) Lot Number

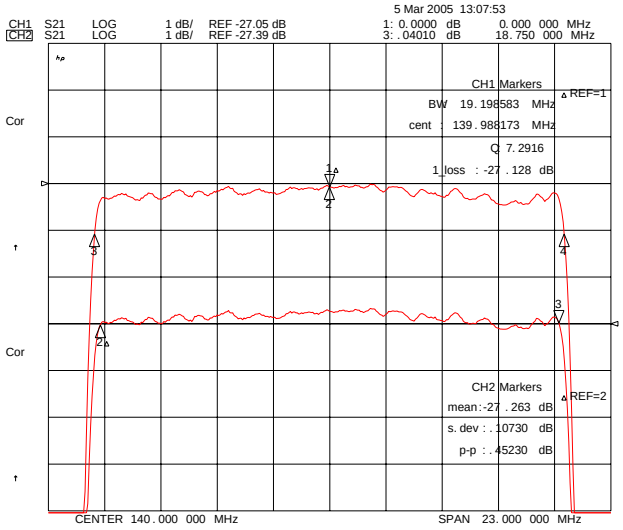
3) Part Number

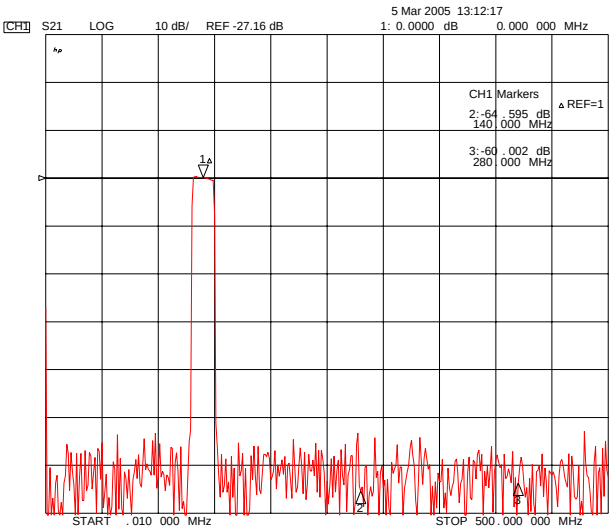
6. Typical Performance (at +25℃)

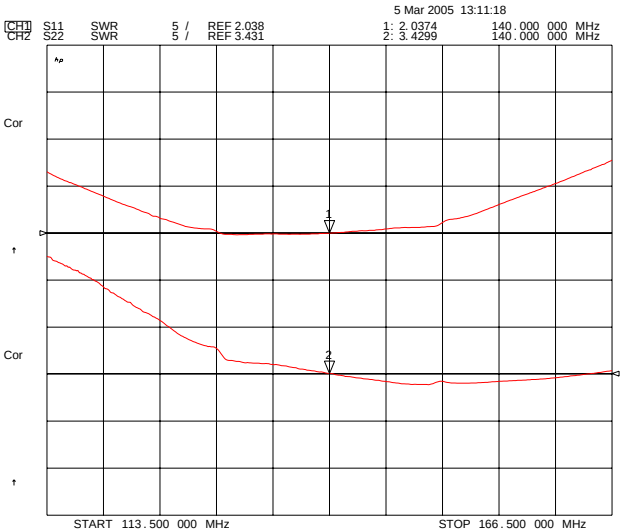


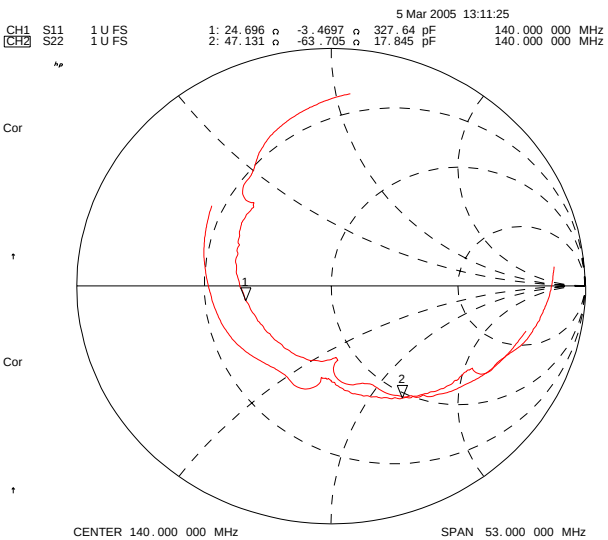


SAW Bandpass Filter 251908B









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.	251908B	
		Rev. Date	2005-03-07	
		Rev.	NM5008-CS01	5/5