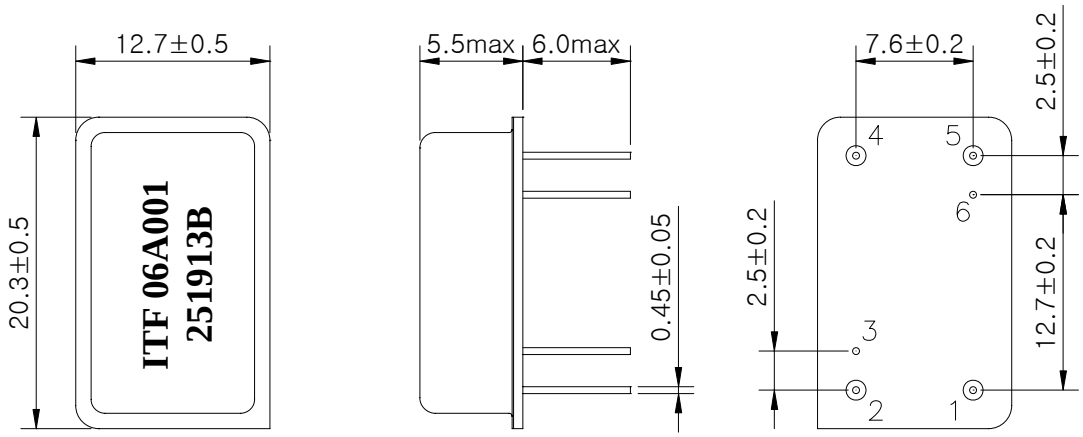
SAW Bandpass Filter 251913B

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 = 120.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

Operating temperature range : +0℃ ~ +60℃		Minimum	Typical	Maximum
Center Frequency	MHz	-	120.0	-
Insertion Loss	dB	-	24.0	25.0
1dB Bandwidth	MHz	-	19.35	-
3dB Bandwidth	MHz	19.5	19.65	-
40dB Bandwidth	MHz	-	20.92	21.0
Amplitude Ripple (Fo +/- 9.22 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 9.22 MHz)	nsec	-	50	100
Absolute Delay	usec	-	2.23	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-80	-

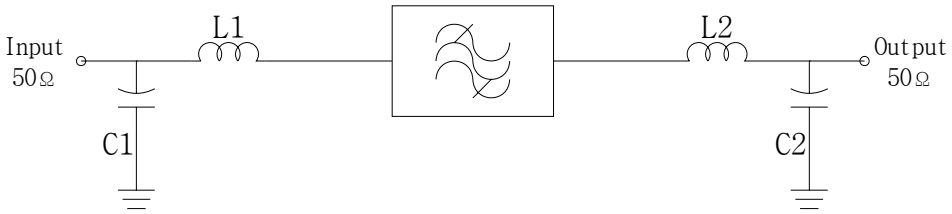
Room temperature : + 25 ℃		Minimum	Typical	Maximum
Center Frequency	MHz	-	120.0	-
Insertion Loss	dB	-	24.0	25.0
Amplitude Ripple (Fo +/- 9.48 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 9.48 MHz)	nsec	-	50	100

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 =47nH, L2 = 47nH

C1 = 33pF, C2 = 33pF

5. Marking Configuration

ITF[1] 06A001[2]

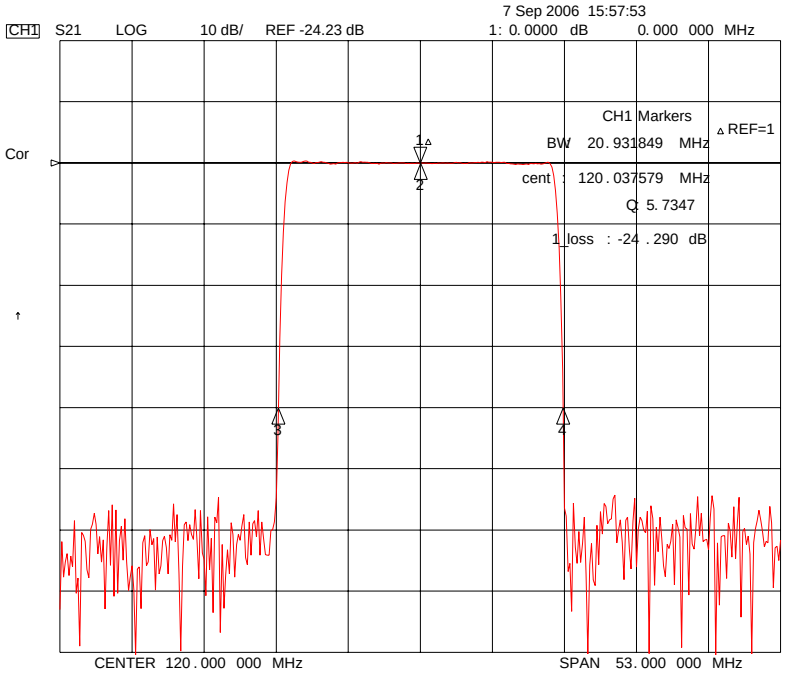
251913B[3]

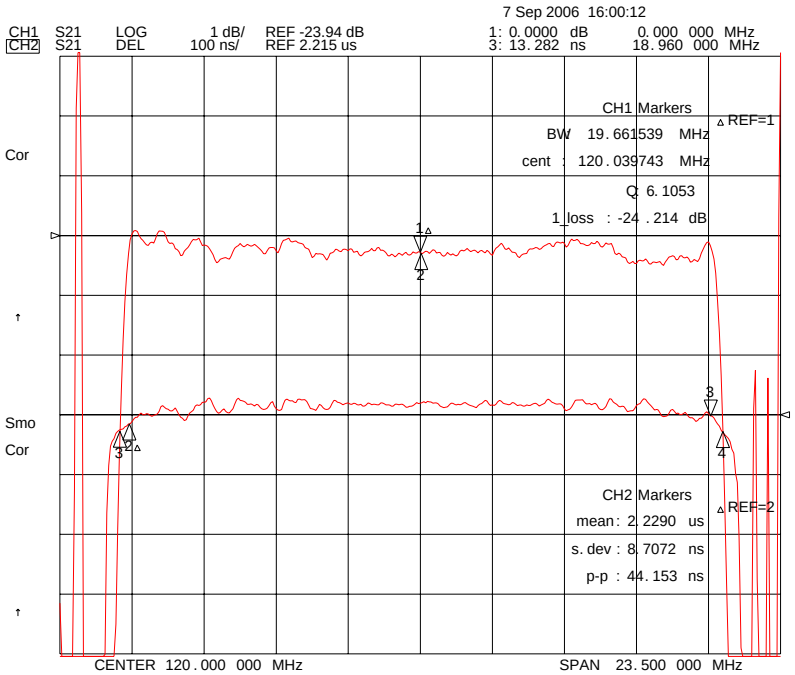
1) Manufacturer name

2) Lot Number

3) Part Number

6. Typical Performance (at +25℃)





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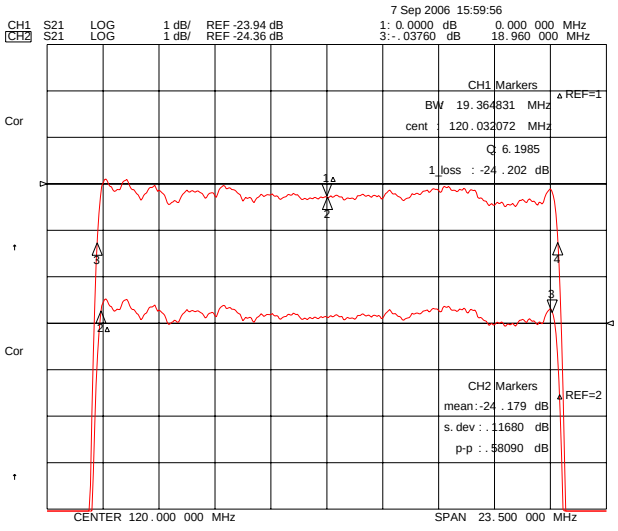

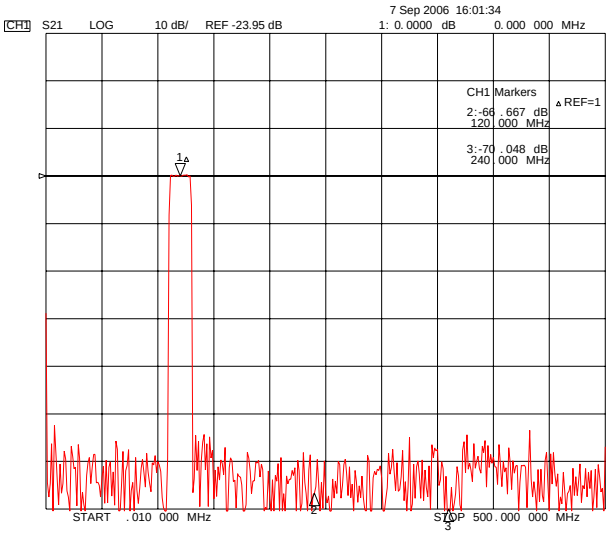

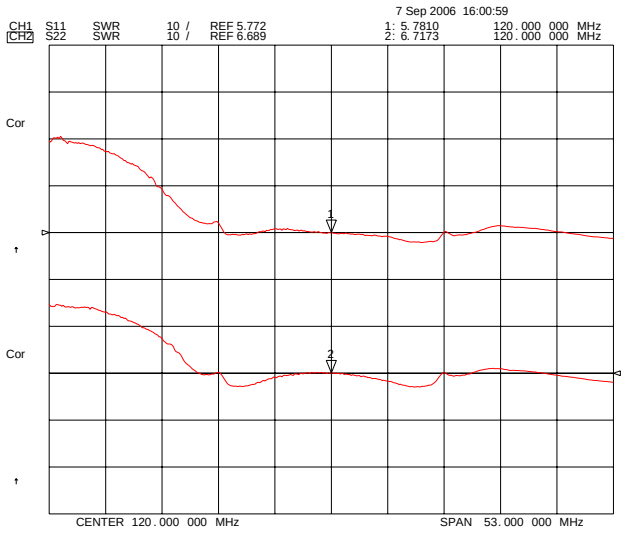

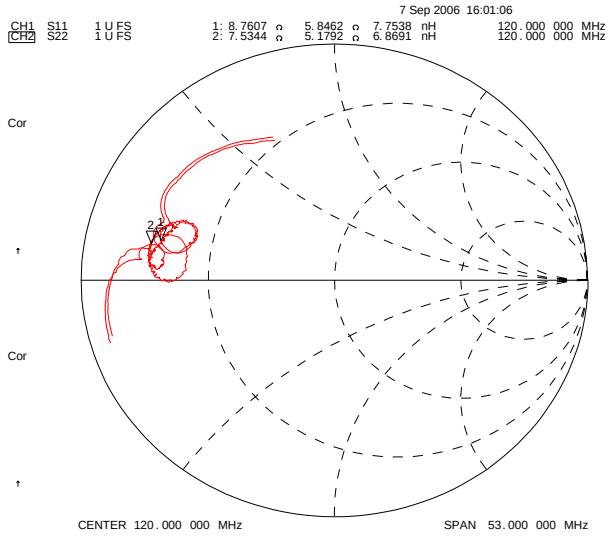

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		Rev.	NM6027-CS01	5/5