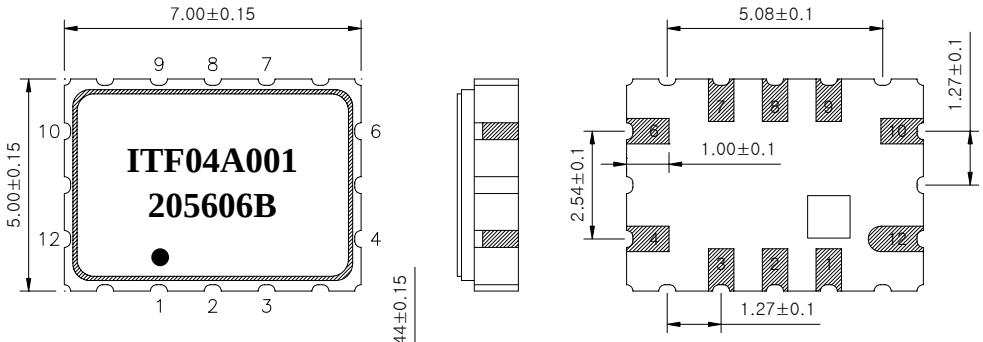
SAW Bandpass Filter 205606B - Preliminary

1. Features

- IF bandpass filter
- Low Insertion Loss
- Single-ended operation
- SMD Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Pin Configuration	
10	Input
4	Output
6, 12	Ground
other	Case ground

Package : S7050

Dimensions shown are nominal in millimeters

Body : Al_2O_3 Ceramic
Lid : Kovar, Ni Plated
Terminations : Au plating 0.3 ~ 1.0 um, Over a 1.27 ~ 8.89 um Ni Plating

3. Specifications

Fo = 110.592 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

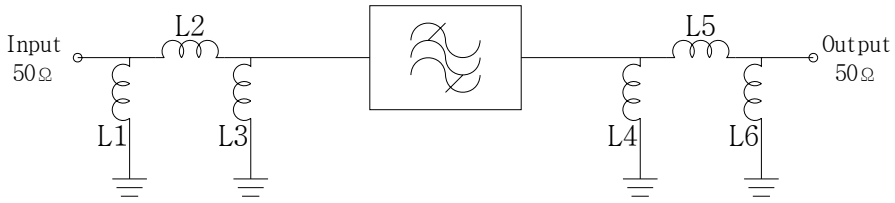
Operating temperature range : - 10 to + 60 ℃		Minimum	Typical	Maximum
Center Frequency	MHz	-	110.592	-
Insertion Loss	dB	-	9.0	11.0
3dB Bandwidth	MHz	1.0	1.45	-
35dB Bandwidth	MHz	-	3.46	4.0
Amplitude Ripple (Fo +/-0.3 MHz)	dB	-	0.2	0.8
Group Delay Variation (Fo +/- 0.3 MHz)	nsec	-	100	200
Absolute Delay	usec	-	0.8	-
Ultimate Rejection	dB	35	38	-
Temperature Coefficient of Frequency	ppm/°C	-	-15	-

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)



L2 = L5 = 47 nH

L1 = L3 = 180 nH

L4 = L6 = 180 nH

5. Marking Configuration

ITF[1] 04A001[2]

205606B[3]

● [4]

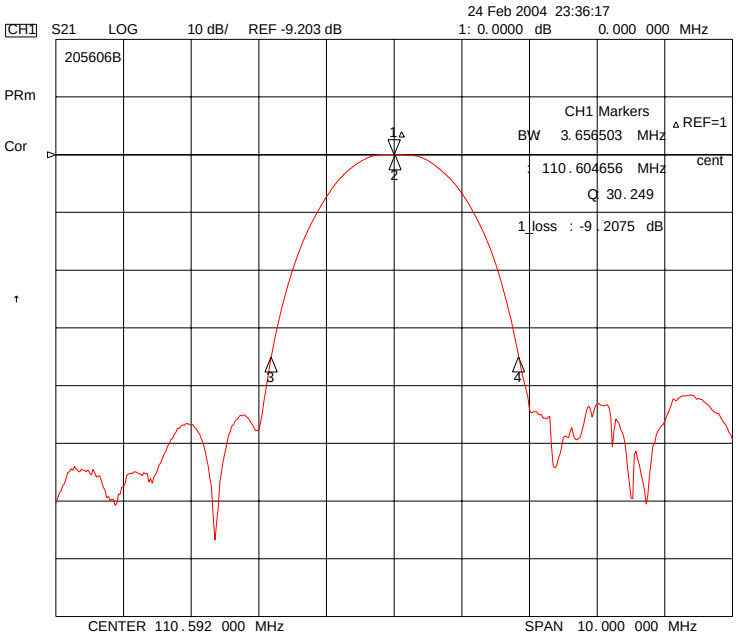
1) Manufacturer name

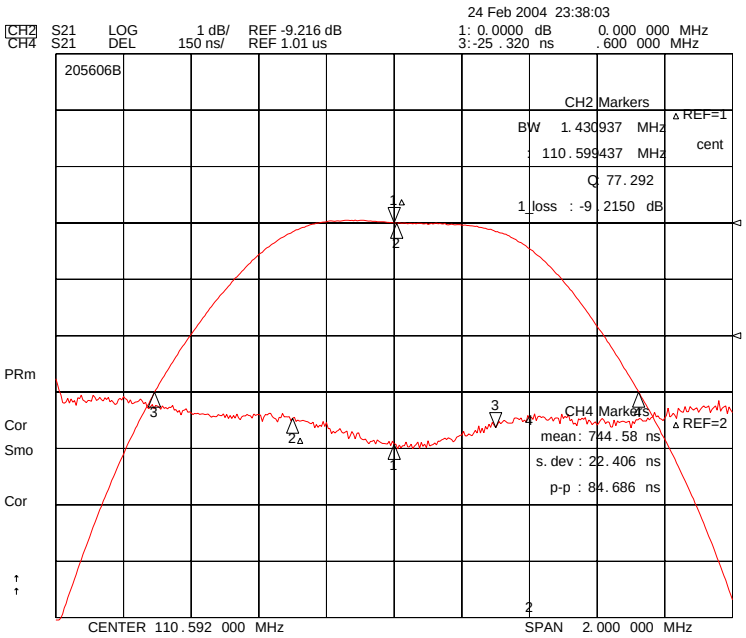
2) Lot Number

3) Part Number

4) Pin Number 1 indicator

6. Typical Performance (at +25℃)





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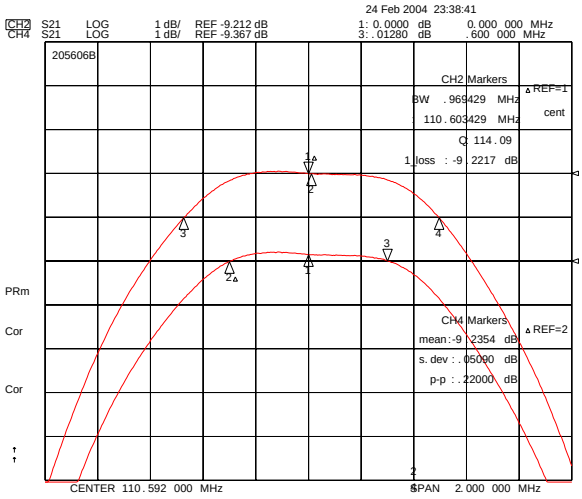

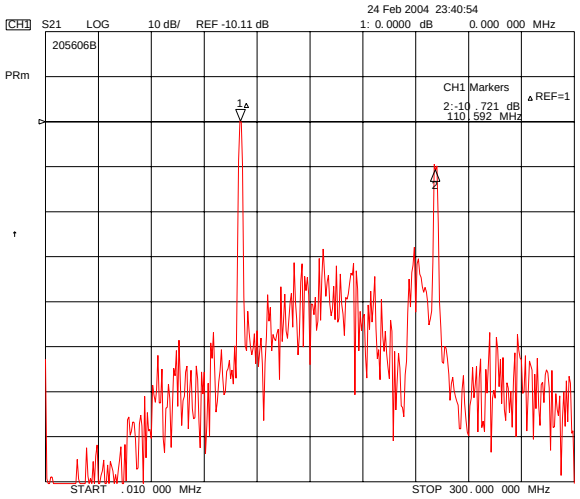

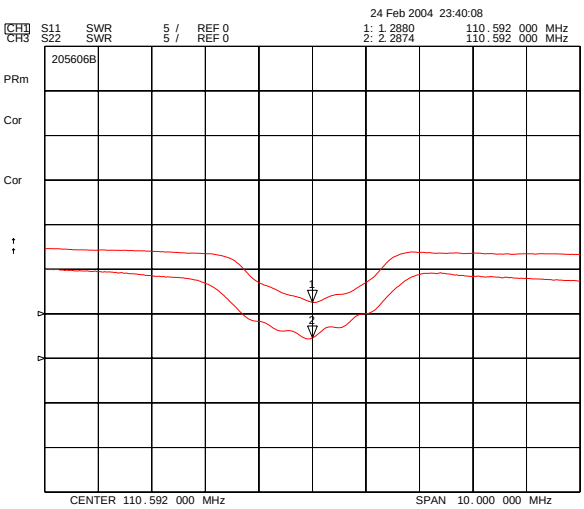

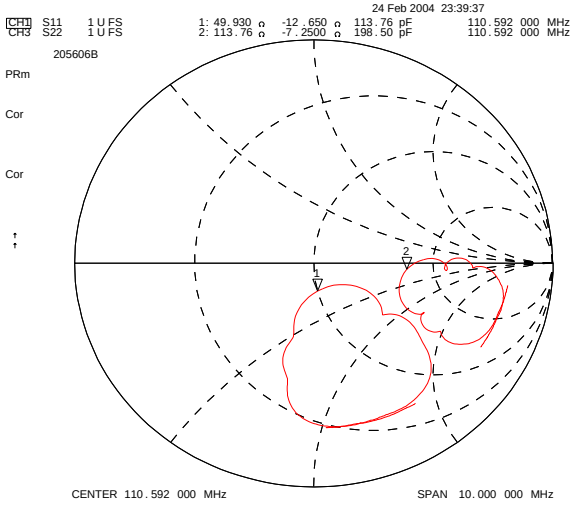

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		Rev. Date	2004-02-26	
		Rev.	DS4022-CS01	5/5