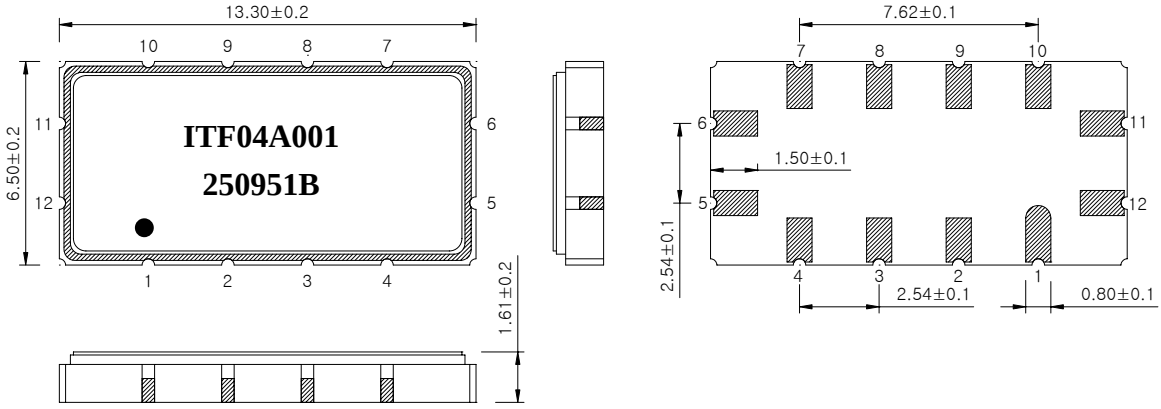
SAW Bandpass Filter 250951B

1. Features

- IF Bandpass Filter
- High-Attenuation
- Single-Ended Operation
- Ceramic Surface Mount Device (SMD) Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- Electrostatics Sensitive Device (ESD)

2. Package Dimensions



Package : S1365

Pad Configuration	
11	Input
5	Output
6, 12	Ground
Other	Case ground

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 = 160.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

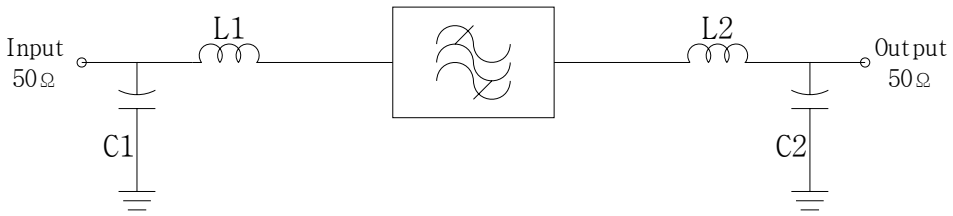
		Minimum	Typical	Maximum
Center Frequency	MHz	-	160.0	-
Insertion Loss	dB	-	23.0	25.0
1dB Bandwidth	MHz	8.8	9.0	-
3dB Bandwidth	MHz	-	9.35	-
40dB Bandwidth	MHz	-	10.9	10.95
Amplitude Ripple (Fo +/- 4.375 MHz)	dB	-	0.8	1.0
Group Delay Variation (Fo +/- 4.375 MHz)	nsec	-	100	-
Absolute Delay	usec	-	1.8	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-23.0	-

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 = 15 nH, L2 = 27 nH

C1 = 27 pF, C2 = 47 pF

5. Marking Configuration

ITF[1] 04A001[2]

250951B[3]

● [4]

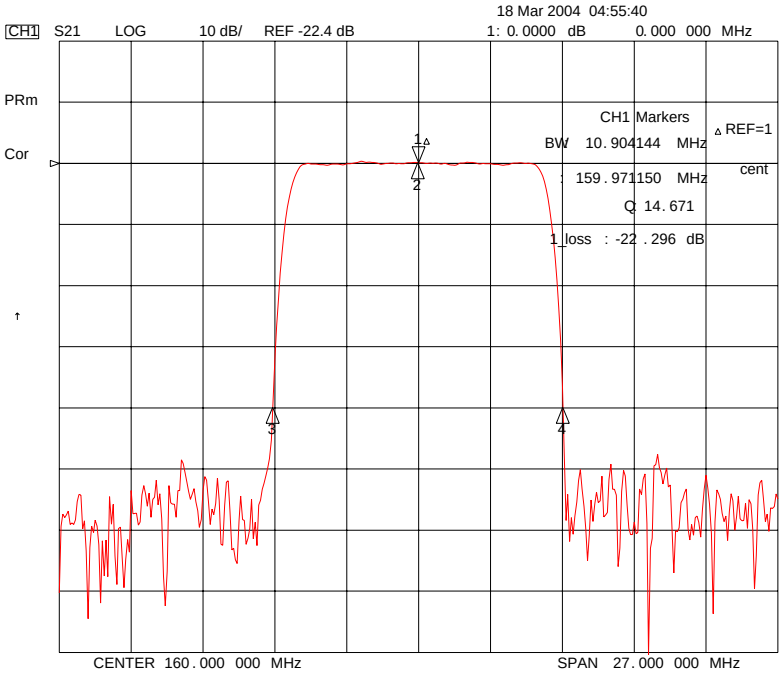
1) Manufacturer name

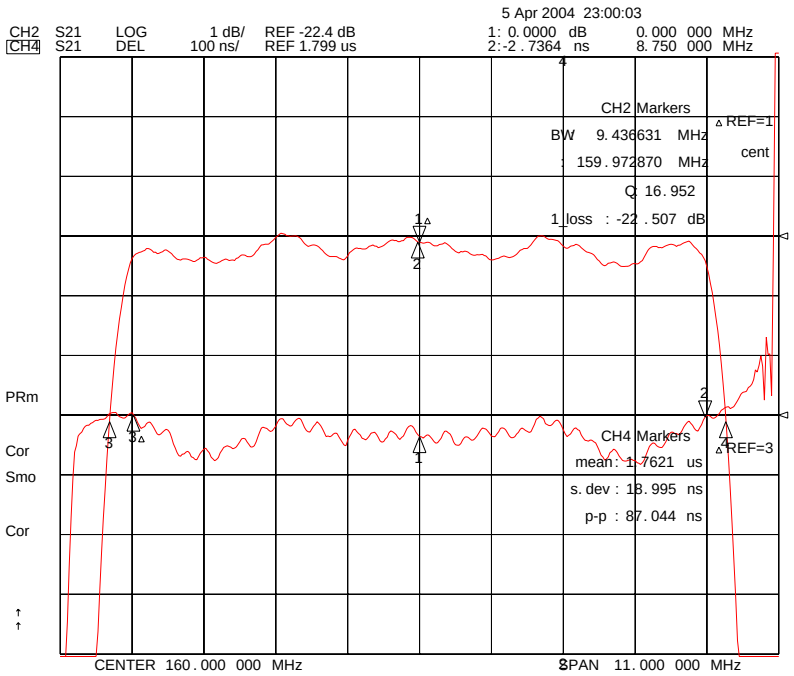
2) Lot Number

3) Part Number

4) Pad Number 1 Index

6. Typical Performance (at +25℃)





SAW Bandpass Filter 250951B

