

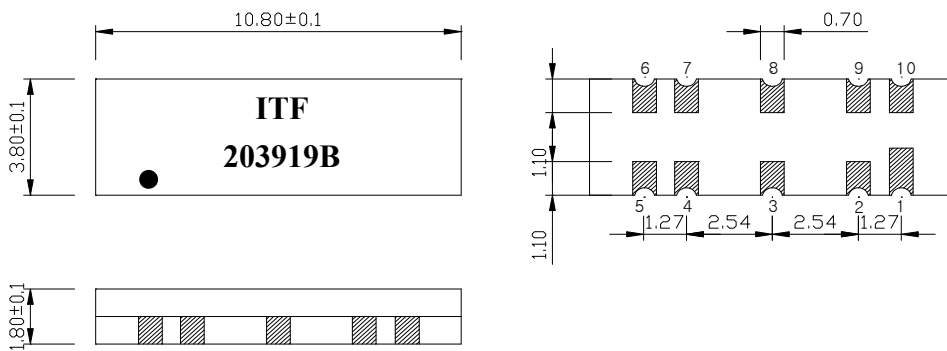
SAW Bandpass Filter 203919B



1. Features

- IF Bandpass Filter for DAB
- Surface Mount Device(SMD) Package

2. Package Dimension



Package : S1038

Dimensions shown are nominal in millimeters

Base : Epoxy PCB plate

Cap : Polyphenylene Sulphide plastic

Terminations : Au plating

Pin Configuration	
10	Input
1	Input ground
5, 6	Output
Other	Ground

Parameter	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	25	85
Storage Temperature Range	°C	-40	-	85

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203919B	
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3. Specifications

Fo = 38.912 MHz

Terminating source impedance : 50Ω

Terminating load impedance : 2KΩ // 3pF

		Minimum	Typical	Maximum
Center Frequency	MHz	-	38.912	-
Insertion Loss	dB	17.2	19.1	21.2
3dB Bandwidth	MHz	-	1.52	-
30dB Bandwidth	MHz	-	2.64	-
Relative Attenuation				
30.01 ~ 36.27 MHz	dB	35.0	47.0	-
36.27 ~ 37.31 MHz	dB	35.0	44.0	-
40.61 ~ 41.41 MHz	dB	30.0	42.0	-
41.41 ~ 50.01 MHz	dB	33.0	45.0	-
Group Delay Variation (Fo +/- 0.75 MHz)	nsec	-	150	300
Absolute Delay	usec	-	1.21	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

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

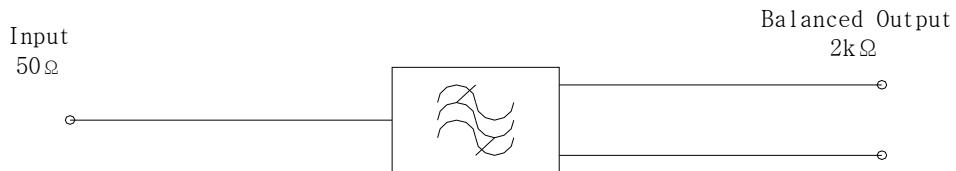
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4. Matching Schematic


(Actual matching values may vary due to PCB layout and parasitics)



5. Marking Configuration

ITF¹⁾
 203919B²⁾
 ●³⁾

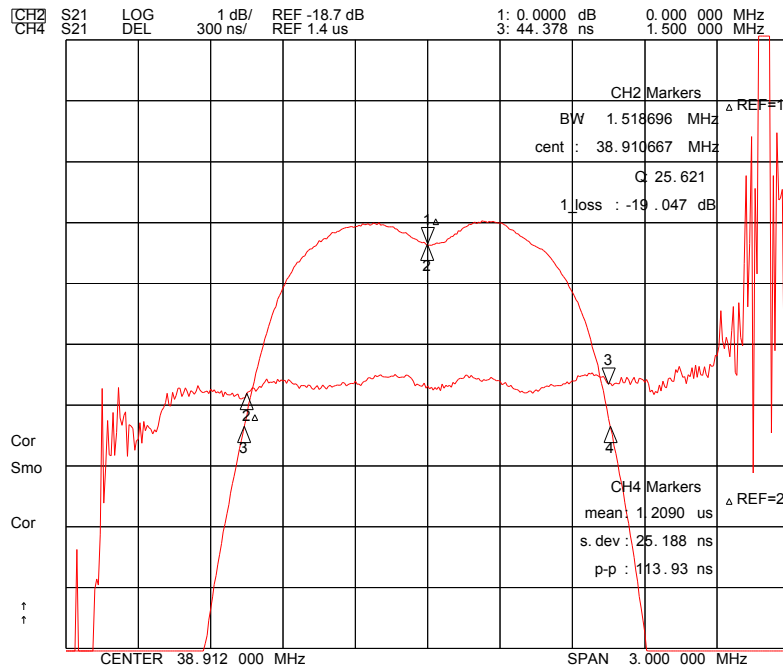
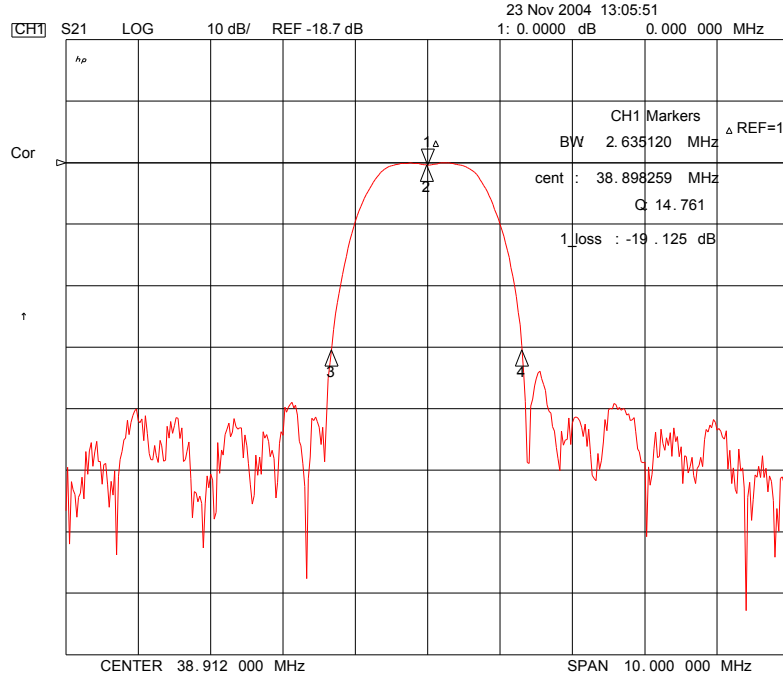
- 1) Manufacturer name
- 2) Part Number
- 3) Pad Number 1 Index

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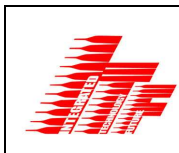
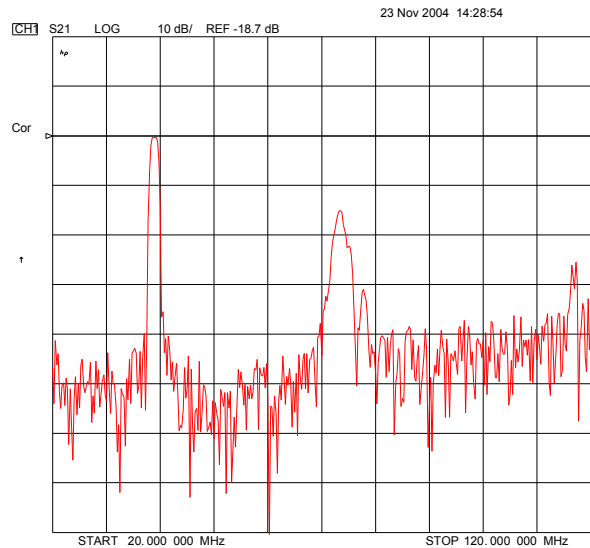
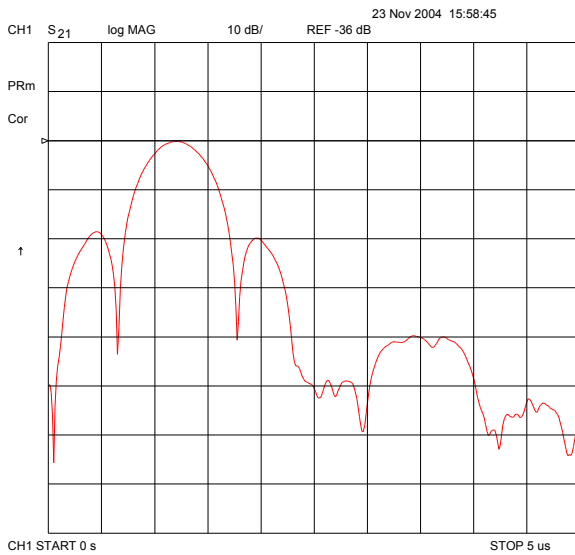
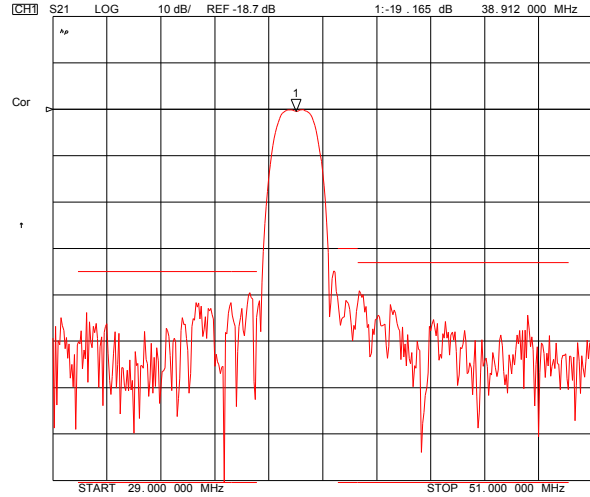
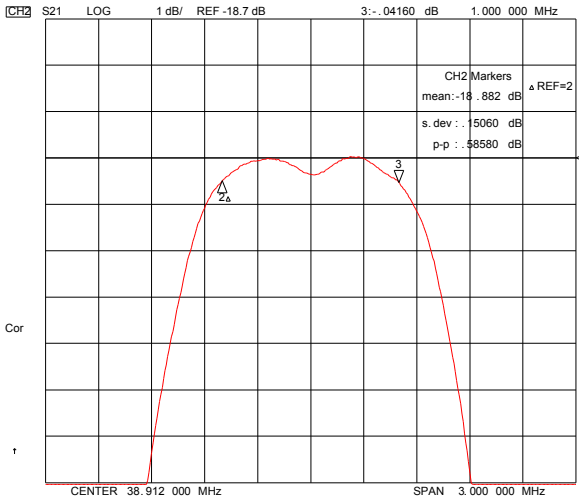


6. Typical Performance (at +25°C)



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