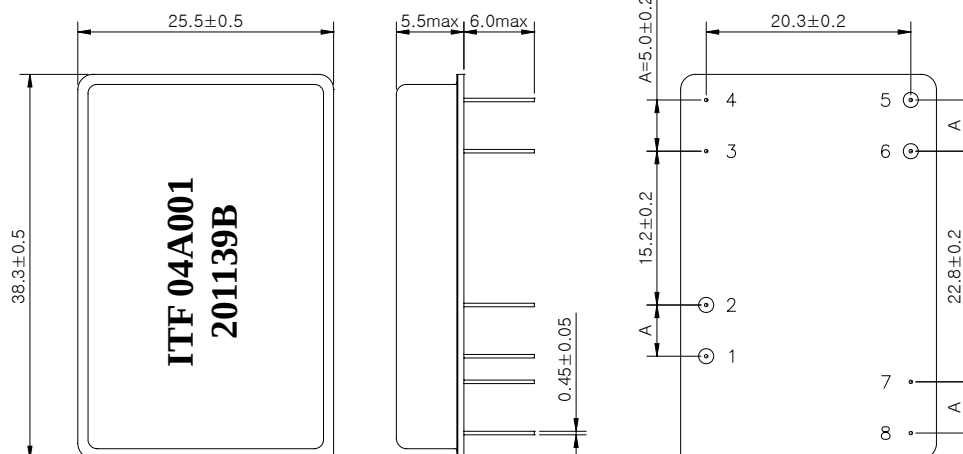


1. Features

- IF bandpass filter
- High attenuation
- Single-ended operation
- DIP Package
- Maximum Storage Temperature Range : -40 °C ~ 85 °C
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Package : D3825

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
6	Output
2, 5	Ground
Other	Case ground

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3. Specifications

Fo = 70.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	69.96	70.0	70.04
Insertion Loss	dB	-	24.5	25.5
1dB Bandwidth	MHz	-	9.25	-
3dB Bandwidth	MHz	9.4	9.45	-
40dB Bandwidth	MHz	-	10.48	10.6
Amplitude Ripple (Fo +/-4.4 MHz)	dB	-	0.8	1.0
Group Delay Variation (Fo +/- 4.4 MHz)	nsec	-	80	150
Absolute Delay	usec	-	3.64	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-94	-

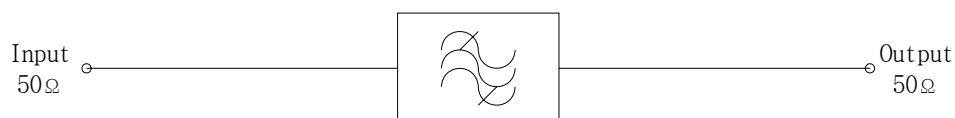
Notes :

- 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⁾ 04A001²⁾
201139B³⁾

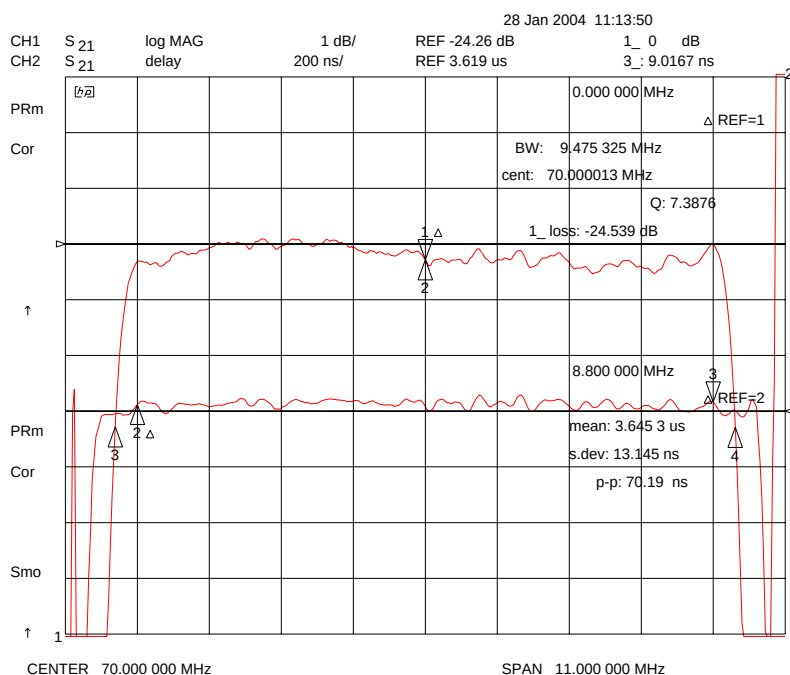
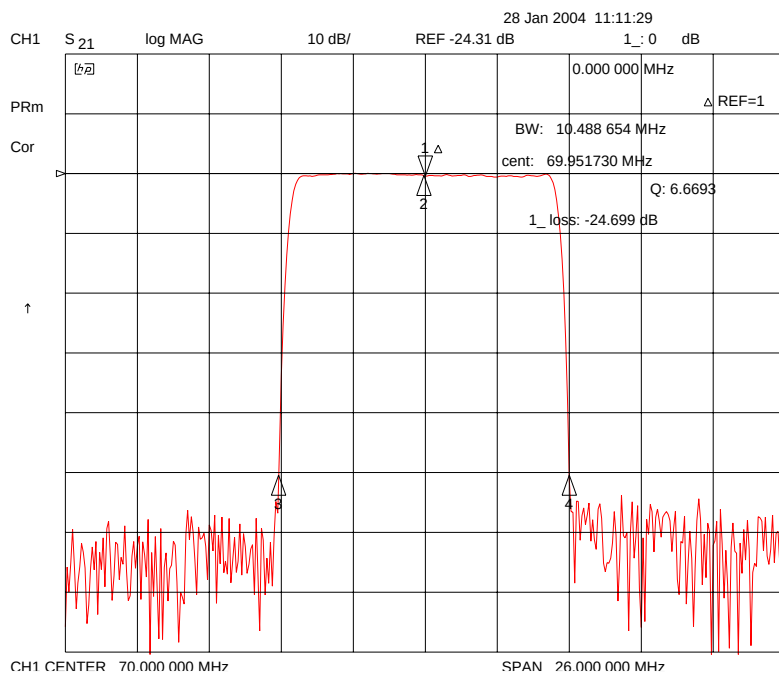
1) Manufacturer name

2) Lot Number

3) Part Number

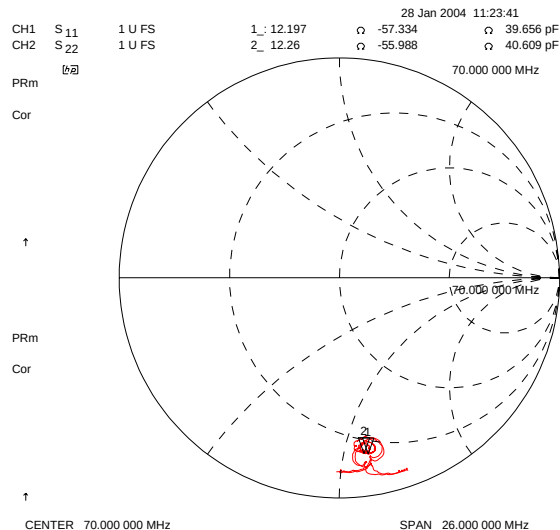
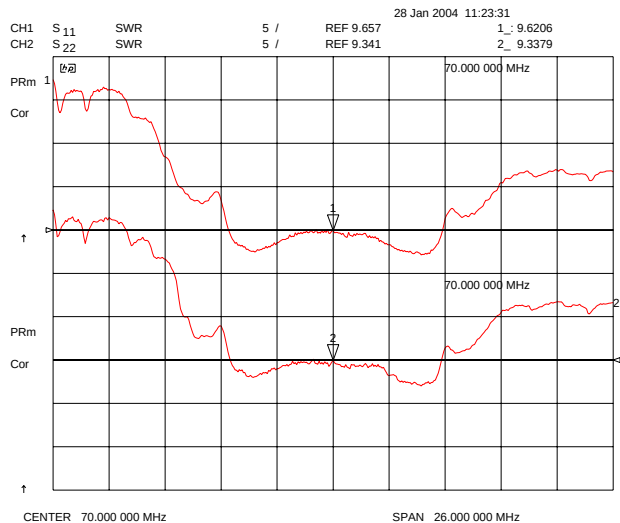
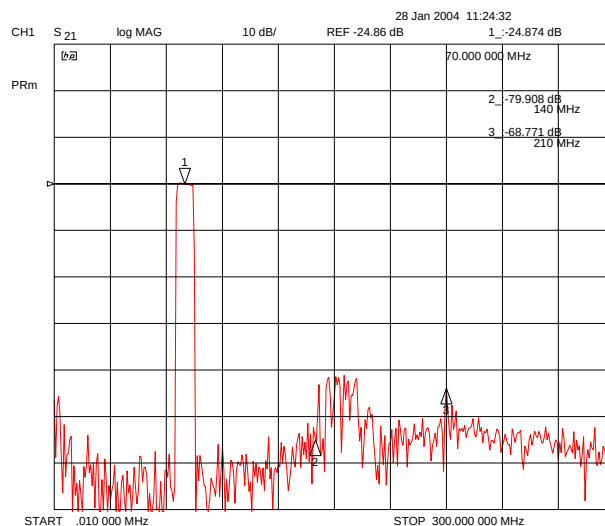
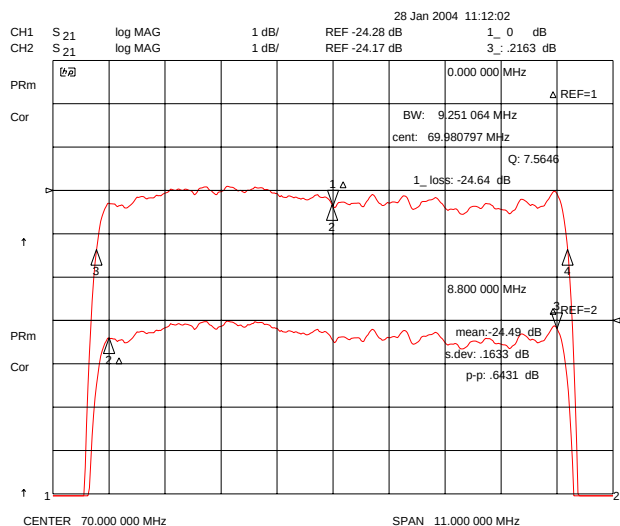
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6. Typical Performance (at +25℃)



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SAW Bandpass Filter 201139B



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