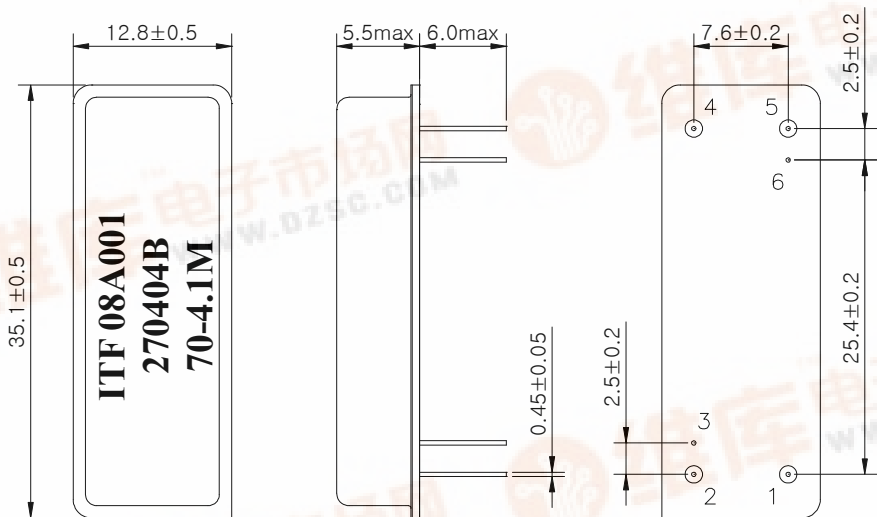


SAW Bandpass Filter 270404B

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 : D3512

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

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3. Specifications

$F_o = 70.0 \text{ MHz}$

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	70.0	-
Insertion Loss	dB	-	22.5	24.0
2dB Bandwidth	MHz	-	4.11	4.2
25dB Bandwidth	MHz	-	4.95	5.0
40dB Bandwidth	MHz	-	5.14	-
Amplitude Ripple ($f_o \pm 1.8 \text{ MHz}$)	dB	-	0.45	1.0
Group Delay Variation ($f_o \pm 1.8 \text{ MHz}$)	nsec	-	100	150
Absolute Delay	usec	-	3.85	-
Ultimate Rejection	dB	50	52	-
Temperature Coefficient of Frequency	ppm/ $^{\circ}\text{C}$	-	-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

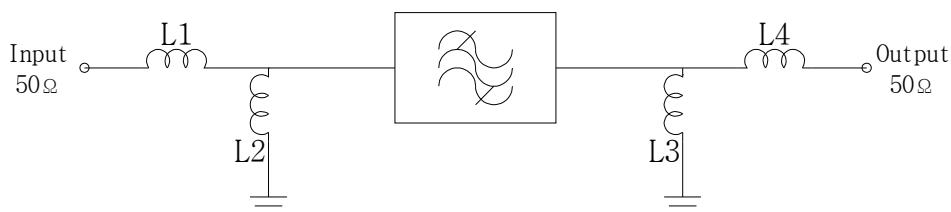
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4. Matching Schematic

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



L1 = 82nH, L2 = 82nH

L3 = 100nH, L4 = 82nH

5. Marking Configuration

ITF¹⁾ 08A001²⁾

270404B³⁾

70⁴⁾ -4.1M⁵⁾

1) Manufacturer name

2) Lot Number

3) Part Number

4) Center Frequency

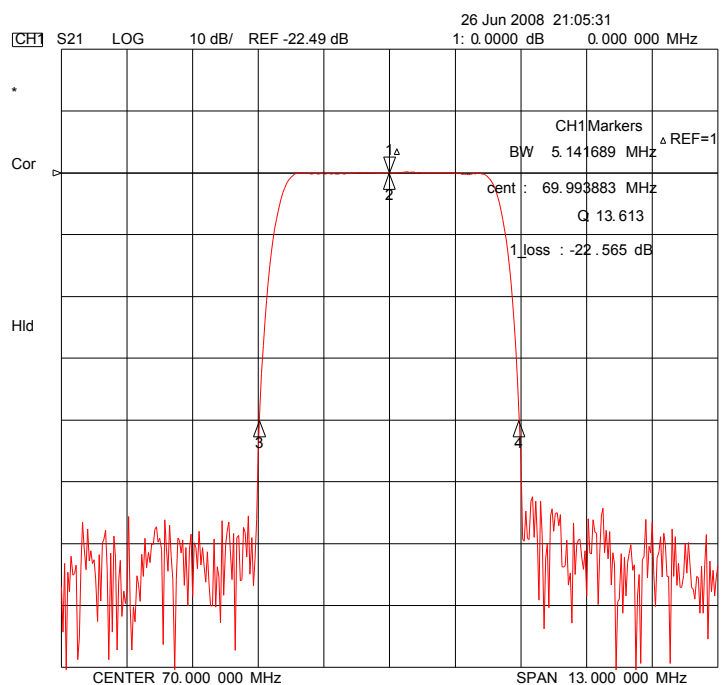
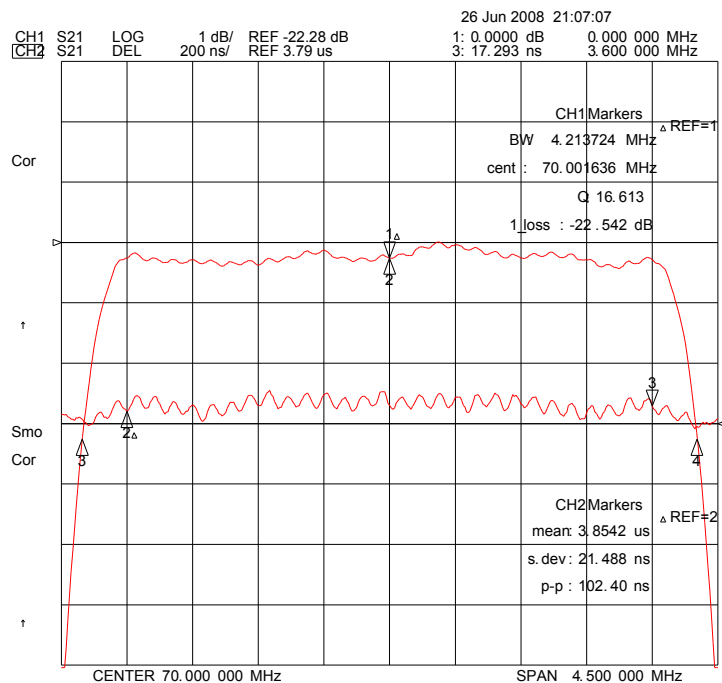
5) 2dB-Bandwidth

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6. Typical Performance (at +25°C)



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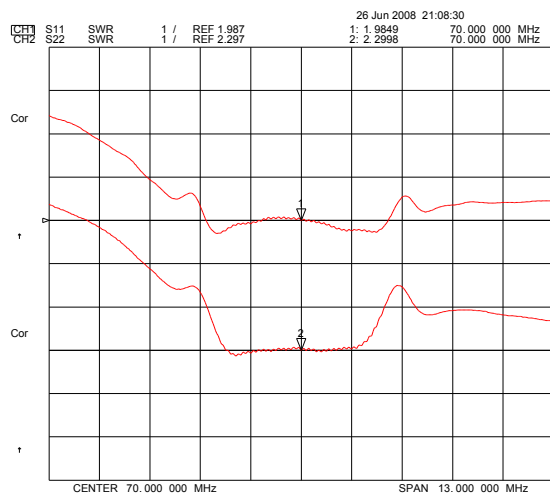
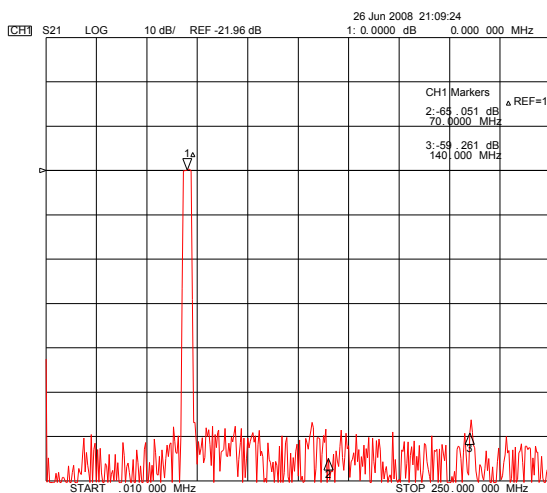
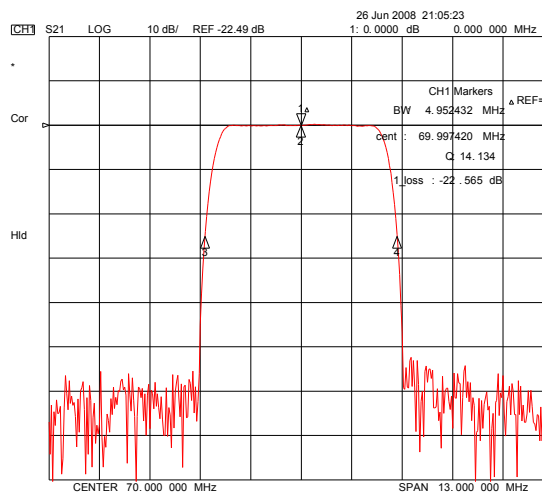
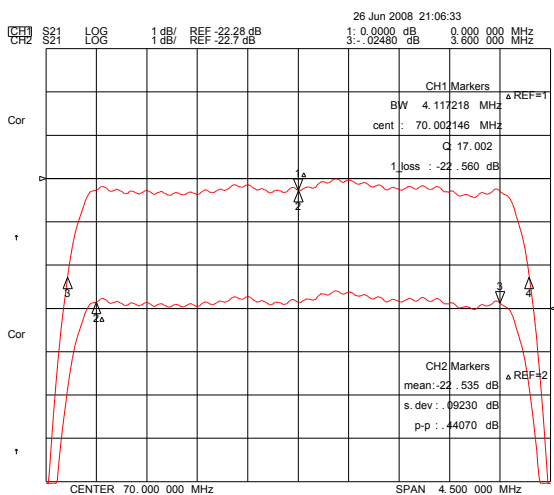
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