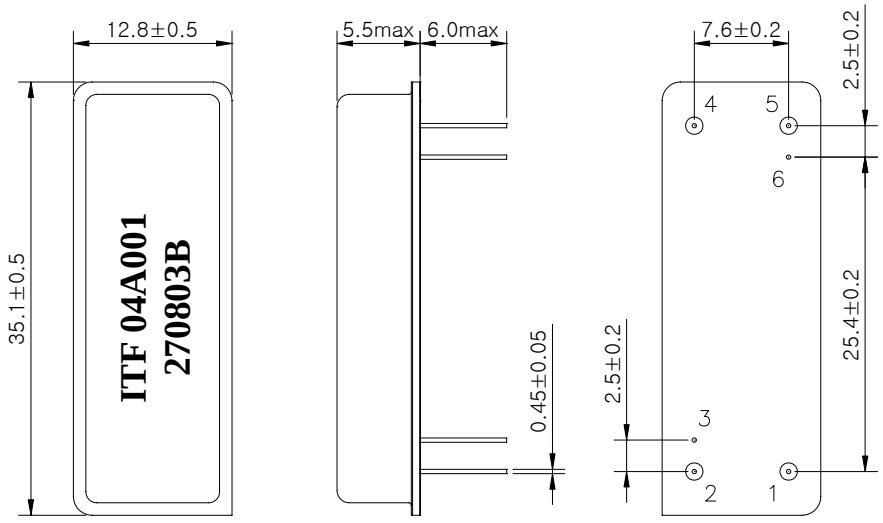
SAW Bandpass Filter 270803B

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

3. Specifications

Fo = 70 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

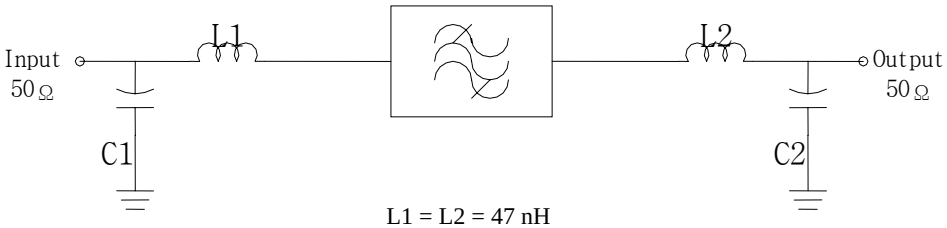
Operating temperature range : 20℃ ~ 50℃		Minimum	Typical	Maximum
Center Frequency	MHz	69.95	70.0	70.05
Insertion Loss	dB	-	24.5	26.0
Amplitude Ripple (66.0 ~ 74.0 MHz)	dB	-	0.7	1.5
Group Delay Variation (66.0 ~ 74.0 MHz)	nsec	-	80	150
Absolute Delay	nsec	-	3.5	-
Out Band Rejection				
at 0.01 ~ 178.5 MHz	dB	40	45	-
at 206.5 ~ 600.0 MHz	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-78	-

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)



L1 = L2 = 47 nH

C1 = C2 = 51 pF

5. Marking Configuration

ITF[1] 04A001[2]

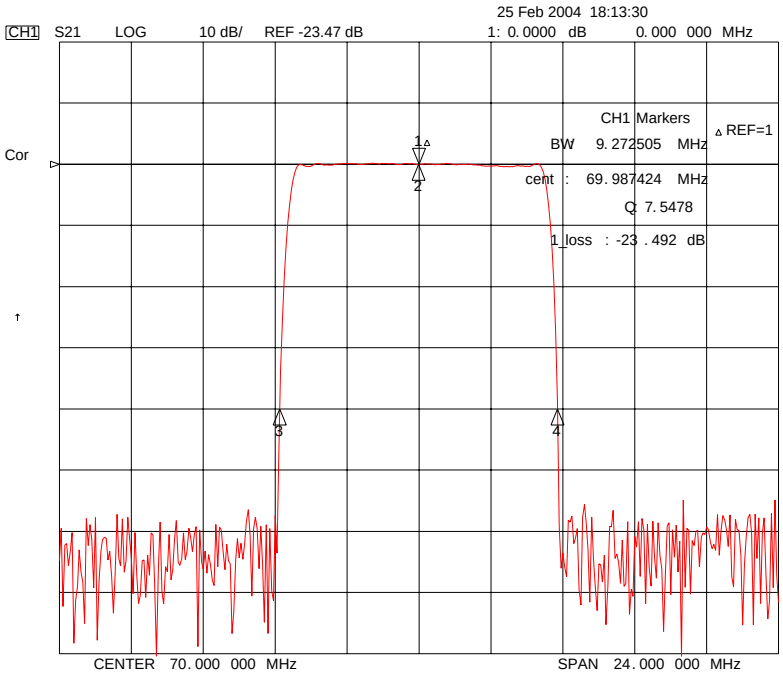
270803B[3]

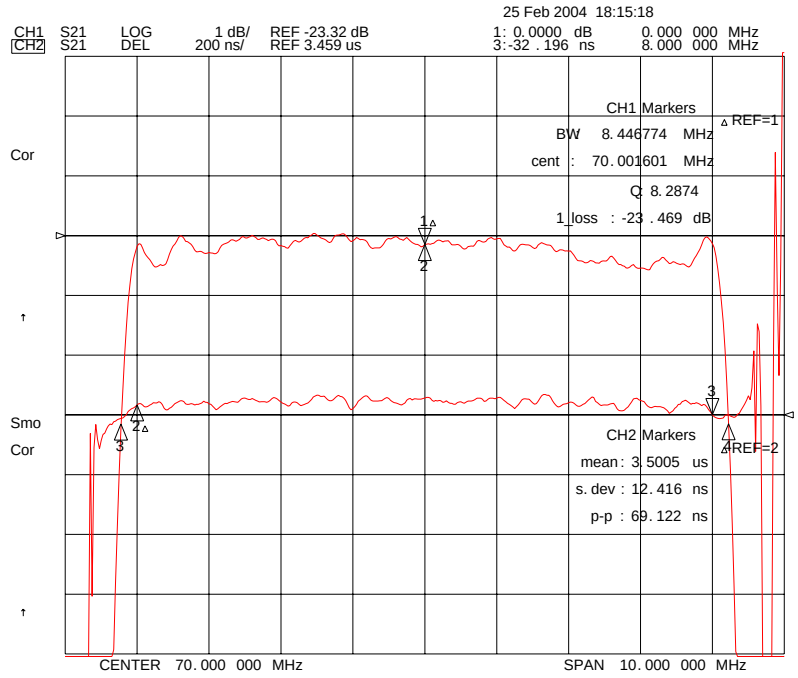
1) Manufacturer name

2) Lot Number

3) Part Number

6. Typical Performance (at +25℃)





SAW Bandpass Filter 270803B

